



antibodies for

stem cell research



Antibodies for Stem Cell research

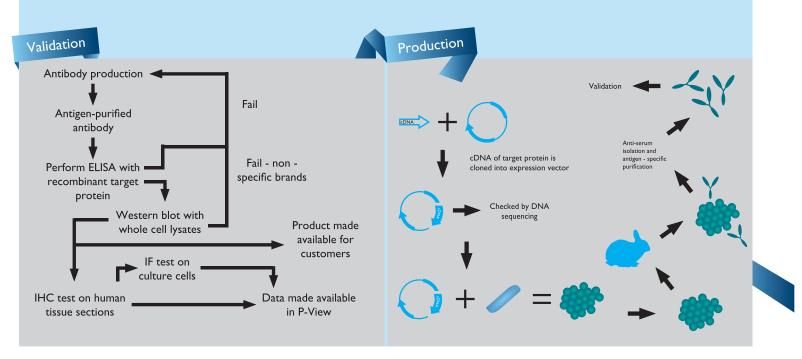
Supporting stem cell research with our antibodies

Of the many disciplines making up life sciences and medicine, stem cell research can be found active in the majority in some form. This is not so surprising given that the cell types at the heart of such research include the very first cells that form us and go on to control our development, the cells that replenish our bodies with new generations of cells and the cells that hold the key to understanding countless congenital diseases and pathologies. Taking this brief summary of stem cell diversity into consideration, it is easy to see why the field of stem cell research is such an important and high- profile one. It studies the blueprints of our development; it may lead to methods of controlled cell renewal and tissue rejuvenation - which is especially important in cases of brain and brain stem degeneration or injury – and it offers new hope in both cancer and neonatal disease research and their therapies. As a company, we find the whole area of stem cell research fascinating and wish to support you, the researcher, in all your antibody based applications and needs. We are proud to have supplied our antibodies to a vast number of stem cell researchers; many of whom have gone on to publish work with their help. Such examples have been presented in this leaflet in our focus articles in addition to more information about our company and a small selection of stem cell- related antibodies from our over 9,000 strong antibody repertoire.

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About us

Proteintech Group was established by experienced research scientists aiming to provide their fellow research community with superior antibodies and first-class customer service. In essence, we strive to be a better antibody company. To continually achieve and uphold these goals, we employ the following approaches; we make every single antibody that we sell, giving us complete control over production, quality, validation and distribution. As part of our production process, many of our antibodies are raised against whole protein antigens, producing all-purpose antibodies that recognize your protein of interest in any application: one antibody for all your experiments. Finally, we promise all of our customers a guaranteed refund if you are not satisfied with any of our antibodies in any of the applications you try. This, along with our high standard of continuing support, forms the basis of our customer service ethos. We are not satisfied unless you are; your success is our success.



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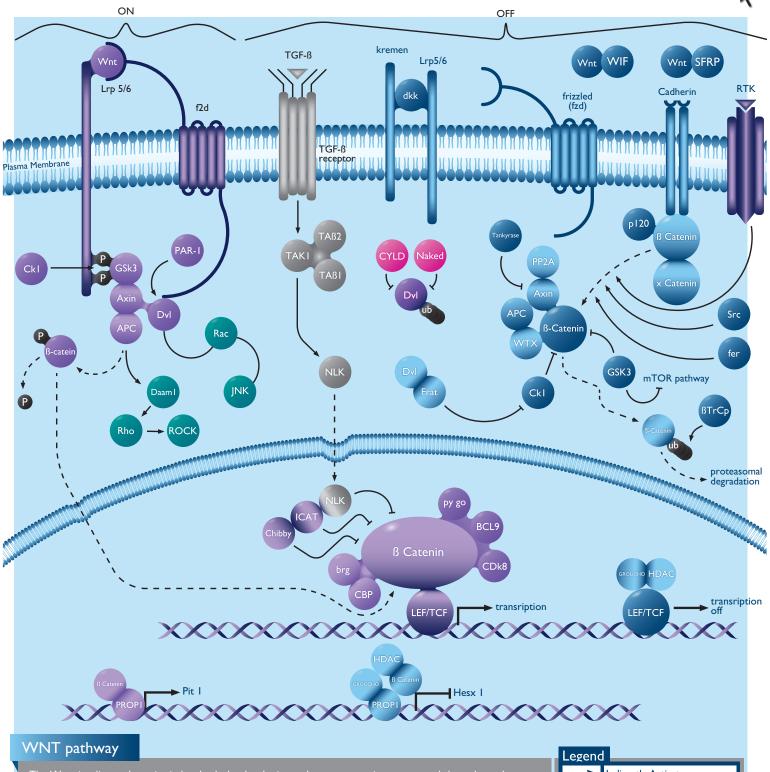
Antibody	Cat. No	Туре	Application	Antibody	Cat. No	Туре	Application
APC	19782-1-AP	Rabbit poly	ELISA,WB	ABCG2	60080-1-lg	Mouse mono	ELISA,WB
-cat	17565-1-AP	Rabbit poly	elisa,wb,ihc	97Ka→	Recent Publica	tions	
	Recent Publica	tions		72kd→	Yamasaki T et i	al. Nucl Med, 2010,	31 (11) 985-93
	 Wu Z et al., PL	oS One, 2011, 6 (2)e	e14648				
				ABCG2	10051-1-AP	Rabbit poly	elisa,wb
MI-1	10832-1-AP	Rabbit poly	ELISA, VVB, IF	🚯 ALPL	87- -AP	Rabbit poly	elisa,wb,ihc
AI5-3/MUCI	19976-1-AP	Rabbit poly	elisa,wb,ihc		15204-1-AP	Rabbit poly	ELISA,WB
D24	18330-1-AP	Rabbit poly	ELISA,VVB		11115-1-AP	Rabbit poly	elisa,ihc
D44	15675-1-AP	Rabbit poly	elisa,wb,ihc,if		14041-1-AP	Rabbit poly	elisa,wb,ihc
XCR4	11073-2-AP	Rabbit poly	ELISA,VVB	B DPPA2	12689-1-AP	Rabbit poly	ELISA,WB
XCR4	60042-1-lg	Mouse mono	elisa,wb	B DPPA2	17111-1-AP	Rabbit poly	elisa,wb
TV5	13011-1-AP	Rabbit poly	ELISA, VVB	B DPPA4	17045-1-AP	Rabbit poly	ELISA,WB
LOT2/ESA	11446-1-AP	Rabbit poly	ELISA,VVB		13779-1-AP	Rabbit poly	ELISA,WB
GTA6 (CD49f)	20231-1-AP	Rabbit poly	ELISA,VVB	BXO15	13024-1-AP	Rabbit poly	ELISA,WB
RAS	12063-1-AP	Rabbit poly	elisa,wb,ihc	GPT	16897-1-AP	Rabbit poly	ELISA,WB
RAS	16155-1-AP	Rabbit poly	ELISA, VVB, IF	HESXI	17927-1-AP	Rabbit poly	ELISA,WB
RAS	16156-1-AP	Rabbit poly	elisa,wb,ihc	ITGBI	12594-1-AP	Rabbit poly	ELISA,WB
	Recent Publica	tions		\star кіт	65042-1-lg	Mouse mono	ELISA,IHC
The Alton	Lawson DA et al.	Proc Natl Acad Sci U S	A. , 2010, Feb 9107 (6)2610-		18696-1-AP	Rabbit poly	ELISA,WB,IHC
				LEFTY2	13991-1-AP	Rabbit poly	ELISA,WB,IHC
RAS	18294-1-AP	Rabbit poly	elisa,wb,ihc,if	(h) LIN28	60147-1-lg	Mouse mono	ELISA,WB
RTI8	10231-1-AP	Rabbit poly	ELISA, WB, IHC	LIN28	16177-1-AP	Rabbit poly	ELISA,WB,IHC
RT18	18708-1-AP	Rabbit poly	ELISA, WB, IHC, IF		Recent Publica	. ,	
RTI8	17514-1-AP	Rabbit poly	ELISA, WB, IHC			lum Pathol., 2011	
RTI8	10384-1-AP	Rabbit poly	ELISA, WB, IHC		Cao D et al., 1	ium r achol., 2011	
CAMI	14225-1-AP	Rabbit poly	ELISA,IHC	LIN28		Rabbit poly	elisa,wb,ihc,
	13850-1-AP	Rabbit poly	ELISA,WB,IHC		16178-1-AP	Rabbit poly	ELISA,WB,IHC
IOTCHI	20687-1-AP	Rabbit poly	ELISA,WB		Recent Publica	1 /	
OCT3/4	11263-1-AP	Rabbit poly	ELISA, WB, IHC, IF		*****	Proteome Sci., 2010,	8 ∙ 78
ROMI	18470-1-AP	Rabbit poly	ELISA,WB			101c0111c Sci., 2010,	0. 20
ROMI	18495-1-AP	Rabbit poly	ELISA,WB		10298-1-AP	Rabbit poly	ELISA, WB, IF
ROMI	19945-1-AP	Rabbit poly	ELISA,WB	MTF2	16208-1-AP	Rabbit poly	ELISA, WB, IHC,
ROMI	19946-1-AP	Rabbit poly	ELISA,WB	MYC	10200-1-AP	Rabbit poly	ELISA,WB
SCA	17171-1-AP	Rabbit poly	ELISA, WB	m Price 97kd→	Recent Publica	. ,	LLI3A, YYB
SCA	17171-1-AP	Rabbit poly	ELISA, WB	72kd→ 56kd→			
HH	20697-1-AP	Rabbit poly	ELISA, WB	36kd→	Xu B, et al. Mo	i Celi jan 2001	
		Rabbit poly	ELISA, WB			Rabbit poly	ELISA,WB
MAD4	10231-1-AP	. ,		MYC	10057-1-AP	1 /	,
MAD4	51069-2-AP	Rabbit poly	ELISA, WB, IHC		10828-1-AP	Rabbit poly	ELISA, WB, IHC
MOX	15052-1-AP	Rabbit poly	ELISA, WB, IHC		14295-1-AP	Rabbit poly	ELISA, WB, IF
P53	10442-1-AP	Rabbit poly	ELISA, WB, IHC		12712-1-AP	Rabbit poly	ELISA, WB
P63	12143-1-AP	Rabbit poly	ELISA,WB,IHC		16383-1-AP	Rabbit poly	ELISA, WB
VNT2	60- -AP	Rabbit poly	ELISA,WB,IHC		10387-1-AP	Rabbit poly	ELISA,WB,IHC
VNT3	17983-1-AP	Rabbit poly	ELISA,WB		11263-1-AP	Rabbit poly	ELISA, WB, IHC,
VNT4	14371-1-AP	Rabbit poly	ELISA,WB		18470-1-AP	Rabbit poly	ELISA,WB
VNT7A	10605-1-AP	Rabbit poly	ELISA,WB		18495-1-AP	Rabbit poly	ELISA,WB
CD44	KRT18	OCT3/4	NCAM2	function is	he question of so basic to an ent, adult home	understanding	ls ^{Turi} g of ^{for i}

Dr. Debby Silver, Duke University, MA

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The Wnt signaling pathway is vital to both the developing and mature organism; conserved throughout the animal kingdom, it helps orchestrate the complex processes involved in building a living-being – be it nematode or human. The Wnt signaling network controls cell proliferation, stem cell maintenance and cell fate decisions, as well as organized cell movements and the establishment of tissue polarity. Its involvement in such a variety of important biological processes highlights the Wnt pathway's inherent complexity: large multi-gene families of ligands and receptors interact in an impressive amount of combinations, each eliciting a variety of intracellular responses. The precise signaling output of Wnts depends on the repertoire of cell surface receptors present on recipient cells; for example, the Wnt-5a protein can act as an 'ON' or 'OFF' ligand: it can activate the formation of the β -catenin/T-cell factor (TCF) transcriptional complexes to modulate the transcription of Wnt responsive genes or it can inhibit this β -catenin-dependent pathway upon binding to the receptor tyrosine kinase ROR2.

The ß-catenin-dependent pathway is the best known of the Wnt pathway responses, yet, Wnt proteins are also thought to mediate the activation of other intracellular messengers such as calcium fluxes, Jnk and Src kinases to name but a few. As well as the Wnt signalling pathway's role in health and development, it is also an underlying cause of many diseases. The hyperactivation of ß-catenin signaling has been implicated as a driver of various cancers – in particular colon cancer – whereas its hypoactivity underlies certain neurodegenerative diseases and abnormal bone formation. Consequently, there is a great interest in inhibitors or activators of this pathway.



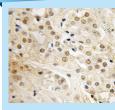
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Antibody	Cat. No	Туре	Application	
ROMI	19945-1-AP	Rabbit poly	ELISA,WB	esc
ROMI	19946-1-AP	Rabbit poly	ELISA,VVB	esc
INGI	15037-1-AP	Rabbit poly	elisa,wb,ihc	esc
FRP2	12189-1-AP	Rabbit poly	elisa,wb,ihc	esc
MAD2	12570-1-AP	Rabbit poly	elisa,wb,ihc	esc
OX2	11064-1-AP	Rabbit poly	ELISA,IF	esc
OX2	20118-1-AP	Rabbit poly	ELISA,VVB	esc
PARC	15274-1-AP	Rabbit poly	elisa,wb,ihc	esc
ГАТ3	10253-2-AP	Rabbit poly	ELISA,VVB	esc
ГАТ3	51076-2-AP	Rabbit poly	elisa,wb,ihc	esc
ГАТ3	10025-2-AP	Rabbit poly	elisa,wb,ihc	esc
ΓΑΤ5Α	13179-1-AP	Rabbit poly	elisa,wb,ihc	esc
TAT5A	51074-2-AP	Rabbit poly	elisa,wb,ihc	esc
TAT5B	51072-2-AP	Rabbit poly	ELISA,WB	esc
ТАТ5В	12071-1-AP	Rabbit poly	elisa,wb,ihc,if	esc
BX2	16930-1-AP	Rabbit poly	elisa,wb,ihc	esc
BX3	674 - -AP	Rabbit poly	ELISA,WB	esc
BX5	13178-1-AP	Rabbit poly	ELISA,WB	esc
) Germlin	e stem cell mar	·ker	TBX2	
	Cat. No	Туре	Application	
ntibody	Cat. No	Type Rabbit poly	Application ELISA,WB,IHC	
ntibody DPS8				8
ntibody OPS8 AZL	10089-2-AP	Rabbit poly	elisa,wb,ihc	
ntibody OPS8 AZL OX3Y	10089-2-AP 12633-1-AP	Rabbit poly Rabbit poly	elisa,wb,ihc elisa,wb	٢
ntibody OPS8 AZL DX3Y DX4	10089-2-AP 12633-1-AP 14041-1-AP	Rabbit poly Rabbit poly Rabbit poly	elisa,wb,ihc elisa,wb elisa,wb,ihc	8) 8)
ntibody OPS8 AZL DX3Y DX4 DX4	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP	Rabbit poly Rabbit poly Rabbit poly Rabbit poly	ELISA,WB,IHC ELISA,WB ELISA,WB,IHC ELISA,WB	89 89 89
ntibody OPS8 AZL DX3Y DX4 DX4 NAJB3	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP	Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly	elisa,wb,ihc elisa,wb elisa,wb,ihc elisa,wb elisa,wb	8) 8) 8) 8)
ntibody OPS8 AZL DX3Y DX4 DX4 NAJB3 PPA2	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP	Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly	ELISA,WB,IHC ELISA,WB ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB,IHC	
ntibody OPS8 AZL DX3Y DX4 DX4 NAJB3 PPA2 PPA2	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP	Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly	ELISA,WB,IHC ELISA,WB ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB,IHC ELISA,WB	
ntibody OPS8 AZL DX3Y DX4 DX4 NAJB3 PPA2 PPA2 ZIPI	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP	Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly	ELISA,WB,IHC ELISA,WB ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB,IHC ELISA,WB	
ntibody DPS8 AZL DX3Y DX4 DX4 DX4 NAJB3 PPA2 PPA2 ZIPI IMT2	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP 13779-1-AP	Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly	ELISA,WB,IHC ELISA,WB ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB	
htibody DPS8 AZL DX3Y DX4 DX4 NAJB3 PPA2 PPA2 ZIPI IMT2 IEI	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP 13779-1-AP 11595-1-AP	Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly	ELISA,WB,IHC ELISA,WB ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB	
ntibody DPS8 AZL DX3Y DX4 DX4 DX4 DX4 DX4 DX4 DX4 DX4 DX4 DX4	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP 13779-1-AP 11595-1-AP 12975-1-AP	Rabbit poly Rabbit poly	ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB	
Antibody COPS8 DAZL DDX3Y DDX4 DDX4 DDX4 DDX4 DDX4 DDX4 DDX4 DDX	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP 13779-1-AP 12975-1-AP 14992-1-AP	Rabbit poly Rabbit poly	ELISA, WB, IHC ELISA, WB ELISA, WB ELISA, WB ELISA, WB ELISA, WB, IHC ELISA, WB ELISA, WB ELISA, WB ELISA, WB ELISA, WB ELISA, WB	
ntibody OPS8 AZL DX3Y DX4 DX4 NAJB3 PPA2 PPA2 ZIP1 HMT2 HE1 IRIP3	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP 13779-1-AP 12975-1-AP 14992-1-AP	Rabbit poly Rabbit poly	ELISA, WB, IHC ELISA, WB ELISA, WB ELISA, WB ELISA, WB ELISA, WB, IHC ELISA, WB ELISA, WB ELISA, WB ELISA, WB ELISA, WB ELISA, WB	
ntibody OPS8 AZL DX3Y DX4 DX4 DX4 NAJB3 PPA2 PPA2 ZIP1 HMT2 1E1 IRIP3	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP 13779-1-AP 12975-1-AP 14992-1-AP Xhou J et al., D	Rabbit poly Rabbit poly tions evelopment, 2009, Rabbit poly	ELISA,WB,IHC ELISA,WB ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
ntibody OPS8 AZL DX3Y DX4 DX4 NAJB3 PPA2 PPA2 ZIPI HMT2 MEI IRIP3	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17077-1-AP 12775-1-AP 14992-1-AP 14992-1-AP 100871-1-AP	Rabbit poly Rabbit poly tions evelopment, 2009, Rabbit poly	ELISA,WB,IHC ELISA,WB ELISA,WB,IHC ELISA,WB ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB,IHC	
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ntibody OPS8 AZL DX3Y DX4 DX4 NAJB3 PPA2 PPA2 ZIPI HMT2 MEI IRIP3 OOK I	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP 13779-1-AP 14992-1-AP 14992-1-AP 14092-1-AP 10871-1-AP 2 10871-1-AP 10871-1-AP	Rabbit poly Rabbit poly tions evelopment, 2009, Rabbit poly tions	ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB,IHC I36(3), 373-82 ELISA,WB,IHC	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
ntibody OPS8 AZL DX3Y DX4 DX4 NAJB3 PPA2 ZIP1 HMT2 ME1 IRIP3 OOK1	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP 13779-1-AP 14992-1-AP 14992-1-AP 10871-1-AP 10871-1-AP 11111-1-AP 11111-1-AP 12975-1-AP 12975-1-AP 14992-1-AP 12975-1-AP 114992-1-AP 10871-1-AP 1010871-1-AP 1010871-1-AP 1010871-1-AP 1010871-1-AP	Rabbit poly Rabbit poly tions evelopment, 2009, Rabbit poly tions	ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB,IHC 26-37 ELISA,WB,IHC	
ntibody OPS8 AZL DX3Y DX4 DX4 NAJB3 PPA2 PPA2 ZIPI -IMT2 MEI IRIP3 OOK1	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP 13779-1-AP 12975-1-AP 14992-1-AP 10871-1-AP 2 Recent Publica Zhou J et al., D 10871-1-AP 11714-1-AP 13446-1-AP	Rabbit poly Rabbit poly tions evelopment, 2009, Rabbit poly tions	ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB,IHC ELISA,WB,IHC ELISA,WB,IHC ELISA,WB,IHC ELISA,WB,IHC	
Intibody COPS8 DAZL DDX3Y DDX4 DDX4 DDX4 DDX4 DDX4 DDX4 DDX4 DDX	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP 13779-1-AP 14992-1-AP 14992-1-AP 10871-1-AP 2Khou J et al., D 10871-1-AP 133446-1-AP 14412-1-AP	Rabbit poly Rabbit poly tions evelopment, 2009, Rabbit poly tions Cl I Mar, 85(5), 21 Rabbit poly Rabbit poly	ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB,IHC ELISA,WB,IHC ELISA,WB,IHC ELISA,WB,IHC ELISA,WB	
Intibody COPS8 PAZL PDX3Y PDX4	10089-2-AP 12633-1-AP 14041-1-AP 12888-1-AP 51042-1-AP 17177-1-AP 12689-1-AP 17111-1-AP 13779-1-AP 12975-1-AP 14992-1-AP Xhou J et al., D 10871-1-AP 10871-1-AP 13146-1-AP 13446-1-AP 13061-1-AP	Rabbit poly Rabbit poly tions Cl 1 Mar, 85(5), 21 Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly Rabbit poly	ELISA,WB,IHC ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB ELISA,WB,IHC ELISA,WB,IHC ELISA,WB,IHC ELISA,WB,IHC ELISA,WB	

Antibody	Cat. No	Туре	Application	
OX2	20118-1-AP	Rabbit poly	ELISA,WB	
PAG6	12462-1-AP	Rabbit poly	elisa,wb	
- 25 K	Recent Publication	ons		*
No.	Silina K et al., J In	nmunother., 2011, 3	34 (1), 28-44	
PAG8	13915-1-AP	Rabbit poly	elisa,wb,ihc	8
TBX6	12447-1-AP	Rabbit poly	ELISA,WB	8
CPII	14606-1-AP	Rabbit poly	ELISA,WB	8
TEX14	18351-1-AP	Rabbit poly	elisa,wb,ihc	8
TRIM69	12951-1-AP	Rabbit poly	elisa,wb,ihc	8
(BX2	13538-1-AP	Rabbit poly	elisa,wb,ihc	89
😡 Hemopoie	etic stem cells			
Antibody	Cat. No	Туре	Application	
ABCG2	60080-1-lg	Mouse mono	ELISA,WB	hsc
2/Ku	Recent Publication	ons		*
72kd→ 56kd→	Wang H et al., Bio	ochemistry., 2008, 4	47 (52), 13778-87	
ABCG2	10051-1-AP	Rabbit poly	ELISA,WB	hsc
	Recent Publication			*
	Wu Z et al., PLoS	One. , 2011, 6 (2),	e14648	
MH	10832-1-AP	Rabbit poly	ELISA,WB,IF	hsc
	Recent Publication	• • • • • • • • • • • • • • • • • • • •		*
CD34	14486-1-AP	Rabbit poly	elisa,wb,ihc	hsc
CD38	60006-1-lg	Mouse mono	ELISA,WB	hsc
CD44	15675-1-AP	Rabbit poly	elisa,wb,ihc,if	hsc
CD48	11228-1-AP	Rabbit poly	ELISA,WB	hsc
CD59	10742-1-AP	Rabbit poly	elisa,wb,ihc	hsc
CDCPI	12754-1-AP	Rabbit poly	ELISA,VVB	hsc
CXCR4	11073-2-AP	Rabbit poly	ELISA,WB	hsc
CXCR4	60042-1-lg	Mouse mono	ELISA,WB	hsc
250kd→ 150kd→	Recent Publication		l, 2010, 16 (3), 188-99	*
NG	10862-1-AP	Rabbit poly	ELISA,WB	hsc
GATAI	10917-2-AP	Rabbit poly	ELISA,WB	hsc
GATAI	60011-1-lg	Mouse mono	ELISA,WB	hsc
GATAI	60011-2-lg	Mouse mono	ELISA,WB	hsc
GFII	14198-1-AP	Rabbit poly	elisa,wb	hsc
L3RA	13655-1-AP	Rabbit poly	ELISA,WB	hsc
(IT	65042-1-lg	Mouse mono	elisa,ihc	hsc
(IT	18696-1-AP	Rabbit poly	elisa,wb,ihc	hsc
.XN	13056-1-AP	Rabbit poly	ELISA,WB	hsc
1CLI	16225-1-AP	Rabbit poly	elisa,wb,ihc	hsc
1CLI	15825-1-AP	Rabbit poly	ELISA,WB,IHC	hsc
NCAMI	14255-1-AP	Rabbit poly	ELISA,IHC	hsc
NCAM2	13850-1-AP	Rabbit poly	ELISA,WB,IHC	hsc
ODXL2	16383-1-AP	Rabbit poly	ELISA,WB	hsc

Focus on LIN28



ways to bypass the need for embryonic stem cells (ESCs) in stem cell research.

Our LIN28 antibody has been used by Viswanathan and colleagues at Harvard Medical School, a group who have published several key papers regarding LIN28 in recent years. Last year in Nature Genetics they published their finding that LIN28 promotes transformation and is associated with advanced human malignances. In a subsequent Nature paper they reported a role for LIN28 in primordial germ-cell

development and in germ-cell malignancy. In both papers our

LIN28 antibody in stem cell and cancer research LIN28 is an RNA binding protein involved in the maintenance of embryonic stem cell (ESC) pluripotency. It is also one of several reprogramming factors the development and in germ-cell intergravity. In support of this work, a recent Human Pathology paper by Cao et al. (2011) studied 103 primary and 81 metastatic testicular germ cell tumors. Using formalin-fixed, paraffin embedded tissue from these samples, IHC was carried with our LIN28 antibody (catalog no. 11724-1-AP); to see how specific this staining was, the authors also looked at LIN28 staining in IHC samples from 327 non- germ cell tumors. that allow the derivation of induced pluripotent stem cells (iPSCs) from somatic sources, a technique that offers potential They also compared LIN28 staining with SALL4 (Sal-like 4) and OCT4 (octamer- binding transcription factor 4) in all germ-cell tumors. Cao and colleagues found that in most of the germ cell tumors, strong LIN28 signal was seen, whereas only 10 of the 327 non-germ cell tumor samples showed weak LIN28 staining at best. The paper concluded that LIN28 is a highly sensitive marker for testicular germ-cell neoplasias with relatively high specificity. Whilst having a similar level of diagnostic utility as SALL4, LIN28 had a major advantage over OCT4 in diagnosing yolk sac tumors (a type of germ cell carcinoma).



Antibodies: LIN28 11724-1-AP (Rabbit polyclonal) LIN28A-specific 16177-1-AP (Rabbit polyclonal) LIN28 60147-1-Ig (Mouse monoclonal) OCT4 11263-1-AP (Rabbit polyclonal)

- Selected Publications: D. Cao et al., Hum Pathol, (Jan 31 2011) D. Cao et al., Mod Pathol, (2010) F. Jia et al, Nature Methods 7, 3 (2010) S. Viswanathan et al, Nature Genetics 41, 7 (2009) J. West et al, Nature 460, 7257 (2009)

LIN28 Synonyms: CSDD1, FLJ12457, LIN-28, LIN28A, ZCCHC1

Antibody	Cat. No	Туре	Application			hymal stem cell			
PROMI	18470-1-AP	Rabbit poly	ELISA,WB	hsc	Pieselie				
PROMI	18495-1-AP	Rabbit poly	ELISA,VVB	hsc	Antibody	Cat. No	Туре	Application	
PROMI	19945-1-AP	Rabbit poly	ELISA,VVB	hsc	ALPL	11187-1-AP	Rabbit poly	elisa,wb,ihc	8
PROMI	19946-1-AP	Rabbit poly	ELISA,WB	hsc	ANPEP	14553-1-AP	Rabbit poly	elisa,wb	8
PTEN	10047-1-AP	Rabbit poly	elisa,wb,ihc	hsc	ANXA6	12542-1-AP	Rabbit poly	elisa,wb,ihc	8
	Recent Publica	ations		*	BMPRIA	12702-1-AP	Rabbit poly	ELISA,VVB	8
	Majerciak V et	al.,Virology, 2010, 4	07 (2), 206-12		BMPR2	14376-1-AP	Rabbit poly	ELISA,VVB	8
					BMPR2	19087-1-AP	Rabbit poly	ELISA,VVB	8
RBM15	10587-1-AP	Rabbit poly	elisa,wb,ihc,if	hsc	BVES	12920-1-AP	Rabbit poly	elisa,wb,ihc	8
SLAMFI	10949-2-AP	Rabbit poly	ELISA, VVB	hsc	CD151	10418-1-AP	Rabbit poly	ELISA,VVB	8
SLAMFI	60043-1-lg	Mouse mono	ELISA,WB	hsc	CD44	15675-1-AP	Rabbit poly	elisa,wb,ihc,if	8
STAT5A	13179-1-AP	Rabbit poly	elisa,wb,ihc	hsc	CDCPI	12754-1-AP	Rabbit poly	ELISA,VVB	8
STAT5A	51074-2-AP	Rabbit poly	elisa,wb,ihc	hsc	CEACAM21	17209-1-AP	Rabbit poly	ELISA, VVB, IF	8
STAT5B	51072-2-AP	Rabbit poly	ELISA,VVB	hsc	CEACAM5	60053-1-lg	Mouse mono	ELISA,VVB	8
STAT5B	12071-1-AP	Rabbit poly	elisa,wb,ihc,if	hsc	CEACAM5	10421-1-AP	Rabbit poly	elisa,wb,ihc	8
VAVI	16364-1-AP	Rabbit poly	elisa,wb,ihc	hsc	CNNI	13938-1-AP	Rabbit poly	elisa,wb,ihc	8
					CNN3	11509-1-AP	Rabbit poly	elisa,wb,ihc,if	8
iPS cell m	arkers			_	COLIA2	14695-1-AP	Rabbit poly	elisa,wb,ihc	8
Antibody	Cat. No	Туре	Application		COL3A1	13548-1-AP	Rabbit poly	ELISA, VVB, IF	8
KLF4	880- -AP	Rabbit poly	ELISA,IF	icm	CRTACI	13001-1-AP	Rabbit poly	elisa,wb	8
LIN28	60 47- -lg	Mouse mono	ELISA,WB	icm	DCN	14667-1-AP	Rabbit poly	ELISA,VVB	8
LIN28	16177-1-AP	Rabbit poly	elisa,wb,ihc	(cm)	DCN	19281-1-AP	Rabbit poly	ELISA,VVB	8
LIN28	724- -AP	Rabbit poly	elisa,wb,ihc,if	(cm)	DES	16520-1-AP	Rabbit poly	elisa,wb,ihc	8
97kd→	Recent Publica	ations		*	DLKI	10636-1-AP	Rabbit poly	elisa,wb,ihc	8
72kd→ 56kd→	Viswanathan S	R et al., Nat Genet. ,	4 I (7), 843-8		110kd→	Recent Publica	tions		*
3614→					66kd→ ●	da Rocha ST et	al., PLoS Genet. , 20	009, 5 (2), e1000392	
MYC	10059-1-AP	Rabbit poly	ELISA,WB	icm	a5kd→				
MYC	10057-1-AP	Rabbit poly	ELISA,VVB	icm	DMD	12715-1-AP	Rabbit poly	ELISA,VVB	8
	Recent Publica	ations		*	ENG	10862-1-AP	Rabbit poly	ELISA,VVB	8
	Xu B et al., Mo	I Cell Biochem., 201				Recent Publica	tions		*
					and the	3	al., Mol Hum Repro	d., 2010, 16 (3), 188-99	
MYC	10828-1-AP	Rabbit poly	elisa,wb,ihc	icm	d	12. 2			
MYCN	10159-2-AP	Rabbit poly	ELISA,WB	icm	FABP3	10676-1-AP	Rabbit poly	elisa,wb,ihc	8
NANOG	14295-1-AP	Rabbit poly	ELISA, WB, IF	(cm)					
POU5FI	263- -AP	Rabbit poly	elisa,wb,ihc,if	ícm		ed the four antibo			
SOX2	11064-1-AP	Rabbit poly	ELISA,IF	(cm)		nd LIN28], all of th rom Proteintech a			-
SOX2	20118-1-AP	Rabbit poly	ELISA, WB	icm		so outstanding.		®	

director at Stem Cell and Regenerative International I.c., and scientific advisor at Advanced Cell Technology Inc.

Antibody	Cat. No	Туре	Application		Antibody	Cat. No	Туре	Application	
	Recent Publica	tions		*	MME	10302-1-AP	Mouse mono	ELISA,WB	8
	Xi L et al., J Cel	II Mol Med. , 2011,			MME	60034-1-lg	Rabbit poly	ELISA,WB	R
					MME	18008-1-AP	Rabbit poly	elisa,wb,ihc	•
FABP4	12802-1-AP	Rabbit poly	elisa,wb,ihc	8	МТМІ	13924-1-AP	Rabbit poly	elisa,wb,ihc	8
FABP4	15872-1-AP	Rabbit poly	elisa,wb,ihc	8	MYF6	11754-1-AP	Rabbit poly	ELISA,WB	8
FAM65B	17015-1-AP	Rabbit poly	ELISA,WB	8	мүос	14238-1-AP	Rabbit poly	ELISA,WB	•
FERMT2	11453-1-AP	Rabbit poly	elisa,wb,ihc	8	MYODI	18943-1-AP	Rabbit poly	ELISA,WB	R
FMOD	328 - -AP	Rabbit poly	ELISA,WB	8	NKX2-5	392 - -AP	Rabbit poly	ELISA,WB	8
FMOD	60108-1-lg	Mouse mono	ELISA,WB	8	NT5E	12231-1-AP	Rabbit poly	elisa,wb,ihc	•
FNI	15613-1-AP	Rabbit poly	elisa,wb,ihc	8	ooxa→	Recent Publica	tions		*
GAS6	13795-1-AP	Rabbit poly	ELISA,WB	8	45kd→	Martinez-Ferna	andez et al., J Cardio	vasc Transl Res., 2010	
Ā	Recent Publica	tions		*	35kd→				
66kd→	Peeters W et a	ıl., J Neurosci. , 2010	, 30 (20), 6944-53		PAX3	51036-2-AP	Rabbit poly	ELISA,WB	8
45kd→					PECAMI	11265-1-AP	Rabbit poly	elisa,wb,ihc	8
GNL3	15060-1-AP	Rabbit poly	ELISA,WB	8	PPARG	16643-1-AP	Rabbit poly	ELISA,WB	8
ICAM2	10121-2-AP	Rabbit poly	elisa,wb,ihc	8	PPARG	60127-1-lg	Mouse mono	ELISA,WB	8
IDI	18475-1-AP	Rabbit poly	ELISA,WB	8	PTHLH	10817-1-AP	Rabbit poly	ELISA,WB	8
IGFBP3	10189-2-AP	Rabbit poly	ELISA,WB	8	SFRP2	12189-1-AP	Rabbit poly	elisa,wb,ihc	8
ITGBI	12594-1-AP	Rabbit poly	ELISA,WB	8	C. CL	Recent Publica	tions		*
КІТ	65042-1-lg	Mouse mono	elisa,ihc	8	LNP	Lu SJ et al., Reg	en Med., 2009, 4 (1)	, 37-47	
КІТ	18696-1-AP	Rabbit poly	elisa,wb,ihc	8	MNP				
LEP	17436-1-AP	Rabbit poly	elisa,wb,ihc	8	SIX2	11562-1-AP	Rabbit poly	elisa,wb,ihc,if	8
MCAM	17564-1-AP	Rabbit poly	elisa,wb,ihc	8		Recent Publica	tions		*
MEF2C	16953-1-AP	Rabbit poly	ELISA,WB	8	1000	Aiden AP et al.	, Cell Stem Cell., 201	<i>0</i> , 6 (6), 591-602	
MEF2C	20326-1-AP	Rabbit poly	ELISA,WB	8					
MEF2C	60124-2-lg	Mouse mono	ELISA,WB	8	SLC27A2	14048-1-AP	Rabbit poly	elisa,wb,ihc,if	8
MEF2C	18290-1-AP	Rabbit poly	elisa,wb,ihc	8	SLC27A4	11013-1-AP	Rabbit poly	elisa,wb,ihc	•
MEF2C	18291-1-AP	Rabbit poly	elisa,wb,ihc	8	SPARC	15274-1-AP	Rabbit poly	elisa,wb,ihc	R
	Recent Publica	tions		*	SPRY2	11383-1-AP	Rabbit poly	elisa,wb,ihc	R
	Yoon KJ et al.,	PLoS ONE , 2008, 3	(11), e3629		STC2	60063-1-lg	Mouse mono	ELISA,WB	•
all fills					STC2	10314-1-AP	Rabbit poly	elisa,wb,ihc	8
MEF2C	18293-1-AP	Rabbit poly	elisa,wb,ihc	8	1	Recent Publica	tions		*
MEF2C	10056-1-AP	Rabbit poly	elisa,wb,ihc	8	A 415 3	Meyer HA et a	l., Eur Urol., 2009, 5	5 (3), 669-78	
MEPE	18804-1-AP	Rabbit poly	ELISA,WB	8					
MESDC2	10958-1-AP	Rabbit poly	ELISA,WB	8	TAGLN3	12246-1-AP	Rabbit poly	elisa,wb,ihc	8
MME	60034-2-lg	Mouse mono	elisa,ihc	8	ТВХ2	16930-1-AP	Rabbit poly	elisa,wb,ihc	8
MME	60034-3-lg	Mouse mono	elisa,ihc	8	ТВХЗ	16741-1-AP	Rabbit poly	ELISA,WB	8
MME	60034-4-lg	Mouse mono	elisa,ihc	9	ТВХ5	3 78- -AP	Rabbit poly	ELISA, WB	8

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Focus on MMGOH



MAGOH regulates neural stem cell development and is linked to microcephaly Our MAGOH antibody has helped shed light on neural development and the

disease mechanism behind microcephaly. It was used for immunohistochemical anaylsis of Mos2 (modifier of Sox10)+/mice in a Nature Neuroscience paper published last year. The authors, Silver et al., had previously identified the Mos2+/mutant mouse as a microcephaly model as it phenotypically displayed characteristics of the congenital disorder: small body size, hypopigmentation and a reduced brain size. In the work carried out for the Nature Neuroscience paper, Silver and colleagues had found this mutant carried a single base deletion in the Magoh gene. They also found that mice homozygous for the Magoh loss-of-function mutation died prenatally, whereas

those heterozygous for the mutation showed aberrant cortical layering and a reduction in neurons when compared with wild-type mice. On closer inspection, the dividing cells in the Magoh mutants had altered mitotic spindle orientations and abnormal chromosome number. The authors noted that this phenotype was similar to that of Lis I mutant mice; the Lis I gene encodes a microtubule-associated protein, critical for mitotic spindle integrity, and has been previously associated with microcephaly in Humans.

Interestingly, Silver and coworkers found that Lis I was depleted in the Magoh mutant cortex and were able to rescue the Magoh microcephaly phenotype with Lis I expression. The Magoh gene, which is completely conserved between mice and humans, encodes for a component of the RNA- binding exon junction complex (EJC), which plays a crucial role in the posttranslational regulation of mRNA. This data links the EJC with neural development and the development of microcephaly.

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Antibodies: MAGOH 12347-1-AP (Rabbit polyclonal) Selected Publications: Silver et al., Nature Neuroscience, 13 551-558, (2010) Zhao et al., J Exp Zool B Mol Dev Evol, 15314(3), 232-41 (2010)

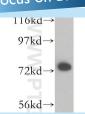
Zhao et al., J Exp Zool B Mol Dev Evol, 15314(3), 232-41 (201 MAGOH Synonyms: Mago, MAGOHA

Antibody	Cat. No	Туре	Application		Antibody	Cat. No	Туре	Application
TNNTI	15893-1-AP	Rabbit poly	ELISA,WB	8	GNL3	15060-1-AP	Rabbit poly	ELISA,WB
TNNT2	15513-1-AP	Rabbit poly	ELISA, VVB, IF	8	JMJD6	16476-1-AP	Rabbit poly	elisa,wb,ihc
VCAMI	444- -AP	Rabbit poly	elisa,wb,ihc	8	KLF4	880- -AP	Rabbit poly	ELISA,IF
WDR5	15544-1-AP	Rabbit poly	elisa,wb,ihc	8	LIN28	60 47- -lg	Mouse mono	ELISA,WB
					LIN28	16177-1-AP	Rabbit poly	elisa,wb,ihc
Neural :	stem cell marke	ers				Recent Publica	ations	
Antibody	Cat. No	Туре	Application			Jia F et al., Nat	Methods. 2010, 7(3), 197-9
ABCG2	60080-1-lg	Mouse mono	ELISA,WB	N				
ABCG2	10051-1-AP	Rabbit poly	ELISA,WB	N	LIN28	11724-1-AP	Rabbit poly	elisa,wb,ihc,if
B4GALNT I	13396-1-AP	Rabbit poly	ELISA,WB	N	LXN	13056-1-AP	Rabbit poly	elisa,wb
	Recent Publica	ations		*		Recent Publica	ations	
	Wu Z et al., PL	.oS One. , 2011, 6 (2)			Silver DL et al.	, Nat Neurosci. , 201	<i>0,</i> 13 (5), 551-8
BMII	10832-1-AP	Rabbit poly	ELISA, VVB, IF	N	мадон	12347-1-AP	Rabbit poly	elisa,wb,ihc
30KG	Recent Publica	ations		*	MAP2	17490-1-AP	Rabbit poly	elisa,wb,ihc
28kd •	Khositseth S ei	t al., Mol Cell Proteoi	nics., 2011, 10 (1)		MBP	10458-1-AP	Rabbit poly	ELISA,WB
17kd →					MOG	12690-1-AP	Rabbit poly	ELISA,WB
CA2	16961-1-AP	Rabbit poly	ELISA,VVB	N	I A TONE PS	Recent Publica	ations	
CD44	15675-1-AP	Rabbit poly	elisa,vvb,ihc,if	N	43.4	Moreira AL et	al., Mod Pathol. , 20	10, 23 (6), 889-95
CDCPI	12754-1-AP	Rabbit poly	ELISA,VVB	N	Mar all			
CST3	12245-1-AP	Rabbit poly	ELISA,WB	N	MSI2	10770-1-AP	Rabbit poly	elisa,wb,ihc
CXCR4	11073-2-AP	Rabbit poly	ELISA,WB	N	NEDDI	13993-1-AP	Rabbit poly	elisa,wb,ihc
CXCR4	60042-1-lg	Mouse mono	ELISA,WB	N	NEFL	12998-1-AP	Rabbit poly	elisa,wb,ihc,if
DLX5	10592-1-AP	Rabbit poly	ELISA,WB	N	NOG	14772-1-AP	Rabbit poly	elisa,wb,ihc
EHMT2	11595-1-AP	Rabbit poly	ELISA,WB	N	OLFMI	10079-1-AP	Rabbit poly	elisa,wb,ihc
ELAVL4	13032-1-AP	Rabbit poly	elisa,wb,ihc	N	S. Strande	Recent Publica	ations	
FABP7	17456-1-AP	Rabbit poly	elisa,wb	N	12155	Du M et al., J V	/irol. 2010, 84 (21), 1	1076-88
FABP7	51010-1-AP	Rabbit poly	elisa,wb,ihc	N				
FABP7	14836-1-AP	Rabbit poly	elisa,wb,ihc	N	OLIG2	13999-1-AP	Rabbit poly	elisa,wb,ihc
FGFR2	13042-1-AP	Rabbit poly	ELISA,WB	N	PAX3	51036-2-AP	Rabbit poly	elisa,wb
FGFR2	60106-1-lg	Mouse mono	ELISA,VVB	N	PDGFRA	60045-1-lg	Mouse mono	ELISA,WB
FGFR4	11098-1-AP	Rabbit poly	elisa,wb,ihc	N	PMP2	12717-1-AP	Rabbit poly	elisa,wb,ihc
FNI	15613-1-AP	Rabbit poly	elisa,wb,ihc	N	PROMI	18470-1-AP	Rabbit poly	ELISA,WB
FZD9	13865-1-AP	Rabbit poly	ELISA,WB	N	PROMI	18495-1-AP	Rabbit poly	ELISA,WB
GADI	10408-1-AP	Rabbit poly	ELISA,WB	N				
GFAP	16825-1-AP	Rabbit poly	elisa,wb,ihc	N			and reproducible staining using this antibody becaus	
GMFB	60062-1-lg	Mouse mono	ELISA,WB	N	observed staining patte	erns were in the expec	cted tissue pattern and sul uced in a Magoh haploinsu	p-cellular
GMFB	10690-1-AP	Rabbit poly	elisa,wb,ihc	N	background.	e the stanling was red		N

Quote from Author, Debby Silver

Antibody	Cat. No	Туре	Application	Antibody	Cat. No	Туре	Application
PROMI	19945-1-AP	Rabbit poly	ELISA,WB	CXCR4	11073-2-AP	Rabbit poly	ELISA,WB
PROMI	19946-1-AP	Rabbit poly	ELISA,WB	CXCR4	60042-1-lg	Mouse mono	ELISA,WB
PUM2	11586-1-AP	Rabbit poly	ELISA,WB	№ 250kd→	Recent Publica	ations	
PVRL2	10100-2-AP	Rabbit poly	ELISA,WB	N 150kd→	Tskitishvili E ei	t al., Mol Hum Repr	od., 2010, 16 (3), 188-99
REXI	13503-1-AP	Rabbit poly	ELISA,IF				
ROBO3	11982-1-AP	Rabbit poly	elisa,wb,ihc	N ENG	10862-1-AP	Rabbit poly	ELISA,WB
SIOOB	15146-1-AP	Rabbit poly	elisa,wb,ihc	N GNL3	15060-1-AP	Rabbit poly	ELISA,WB
SIPAI	12691-1-AP	Rabbit poly	ELISA,WB	N IL3RA	13655-1-AP	Rabbit poly	elisa,wb
SNAI2	12129-1-AP	Rabbit poly	ELISA,WB	KIT	65042-1-lg	Mouse mono	elisa,ihc
SNX6	10114-1-AP	Rabbit poly	ELISA,WB	KIT	18696-1-AP	Rabbit poly	elisa,wb,ihc
SOX10	10422-1-AP	Rabbit poly	elisa,wb,ihc	KRT19	14965-1-AP	Rabbit poly	elisa,wb,ihc
SOX2	11064-1-AP	Rabbit poly	ELISA,IF	KRT19	16858-1-AP	Rabbit poly	elisa,wb,ihc
SOX2	20118-1-AP	Rabbit poly	ELISA,WB		Recent Publica	ations	
TLE3	11372-1-AP	Rabbit poly	ELISA,WB		Ose R et al., N	lol Oncol., 2009, 3 (I), 54-66
TRAF4	10083-2-AP	Rabbit poly	elisa,wb,ihc				
TUBB3	10068-1-AP	Rabbit poly	ELISA,WB	KRT19	10712-1-AP	Rabbit poly	elisa,wb,ihc
TUBB3	60039-1-lg	Mouse mono	ELISA,WB		Recent Publica	ations	
	Recent Publica	tions		*	Nakamura M e	et al., Exp Gerontol.,	2009, 44 (6-7), 375-82
	Chen L et al., F	listochem Cell Biol. ,	2007, I 28 (5), 473-83				
and the second sec				LMNA	10298-1-AP	Rabbit poly	ELISA,WB,IF
TUBB3	10094-1-AP	Rabbit poly	ELISA, VVB, IF	NANOG	14295-1-AP	Rabbit poly	ELISA,WB,IF
S. H. S. S. S.	Recent Publica	tions		★ Notch I	10062-2-AP	Rabbit poly	ELISA,WB
	Zhao XY et al.,	, Carcinogenesis., 20	10, 31 (8), 1367-75	POU5FI/OCT4	11263-1-AP	Rabbit poly	elisa,wb,ihc,if
a shere	54. 18-			PROMI	18470-1-AP	Rabbit poly	ELISA,WB
VIM	10366-1-AP	Rabbit poly	elisa,wb,ihc,if		18495-1-AP	Rabbit poly	ELISA,WB
				PROMI	19945-1-AP	Rabbit poly	ELISA,WB
Skin cell	l markers			PROMI	19946-1-AP	Rabbit poly	ELISA,WB
Antibody	Cat. No	Туре	Application	PSCA	17171-1-AP	Rabbit poly	ELISA,WB
188 N 188	Recent Publica	tions		\star REXI	13503-1-AP	Rabbit poly	ELISA,IF
	Zhao J et al., J l	Histochem Cytochem	n., 2009, 57 (2), 177-85	SOX2	11064-1-AP	Rabbit poly	ELISA,IF
	P			SOX2	20118-1-AP	Rabbit poly	ELISA,WB
KRTI5	10137-1-AP	Rabbit poly	elisa,wb,ihc	S STAT5A	13179-1-AP	Rabbit poly	elisa,wb,ihc
KRT19	14965-1-AP	Rabbit poly	elisa,wb,ihc	STAT5A	51074-2-AP	Rabbit poly	elisa,wb,ihc
KRT19	16858-1-AP	Rabbit poly	elisa,wb,ihc	S TP63	12143-1-AP	Rabbit poly	ELISA,WB
AND	Recent Publica	tions		*		S.CO	18 18 18 18 18 18 18 18 18 18 18 18 18 1
VXC.	Ose R et al., M	ol Oncol., 2009, 3 (1), 54-66			1. 20	100 0 AS
Mar and						· 2. 8.	A . A . SOLA
KRT19	10712-1-AP	Rabbit poly	elisa,wb,ihc	6			and to be an
				a the second		1	And the second
Stem ce	ell markers			NANOG		STAT5A	States
Antibody	Cat. No	Туре	Application				
ABCG2	60080-1-lg	Mouse mono	ELISA,WB	other			
2/KU	Recent Publica			Antibody	Cat. No	Туре	Application
72kd→ 56kd→	Yamasaki T et	al. Nucl Med 31 (11) 985-93		Recent Publica	ations	
JOKG					Ma D et al., J P	roteome Res. , 2009	P, 8 (7), 3284-97
\geq		Rabbit poly	ELISA,WB	scm			• •
ABCG2	10051-1-AP					Rabbit poly	ELISA,WB,IF
ABCG2	Recent Publica	tions		🛨 ALDOA	11217-1-AP	Rabbit poly	
ABCG2				ALDOA	Recent Publica		LLISA, YY D,II
ABCG2	Recent Publica			ALDOA	Recent Publica	ations	
ABCG2	Recent Publica		ELISA,WB,IHC		Recent Publica	ations	008, 283 (47), 32254-63

Focus on BRD7



BRD7 antibody in stem cell gene activation and repression study

56kd→ Our bromodomain containing protein 7 (BRD7) antibody was used by Kaeser and colleagues (Kaeser et al. Journal of

Biological Chemistry, 2008) to identify PBAF (Polybromoassociated BRGI associated factor)-specific BRD7 as a novel component of the SWI/SNF complex. The original research aims of the paper were to investigate the different compositional aspects of this complex in embryonic stem cells (ESCs); its diverse nature and the requirement for some but not all of its subunits, particularly in ESCs, was something that intrigued the authors. SWI/SNF has the potential to both repress or activate certain genes depending on its subunit composition; for example, Incorporation of distinct, mutually exclusive paralogues of the ARID (AT-rich interactive domain) I protein into SWI/SNF complexes determines whether the

complex functions as a corepressor (ARIDIA) or coactivator (ARIDIB) of cell cycle control genes.

Among the several main observations of the paper was the identification of BRD7 as a new PBAF- specific subunit. The authors found that BRD7 was present in purifications from pluripotent ESCs, differentiated ESCs and HeLa cells; implying its presence in a variety of cell types. Using an RNAi- based approach for BRD7 and ARID1A, the authors showed that both kinds of SWI/SNF complexes played important roles in gene-specific regulation and activation, adding new insights into how the composition of SWI/SNF complexes impose transcriptional regulation on individual target genes.

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BRD7 51009-2-AP (Rabbit polyclonal) ARIDIA 18825-1-AP (Rabbit polyclonal)



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Selected Publications: Kaeser et al., J Biol Chem, 21283(47), 32254-63 (2008) Harte et al., Cancer Res, 1570(6), 2538-47 (2010) Liu et al., J Histochem Cytochem, 56(6), 531-8 (2008)

IF

RRMI synonyms: BP75, CELTIXI, NAG4

ELISA

Antibody	Cat. No	Туре	Application	Antibody	Cat. No	Туре	Application	
9/kd→	Recent Publica				Recent Publica	ations		*
72kd→		Brain Res. , 2010, 13	358		Zhang J et al., (Circ Res., 2009, 104	4 (4), e30-41	
BRD7	10209-2-AP	Rabbit poly	elisa,wb,ihc	MYL2	10906-1-AP	Rabbit poly	elisa,wb,ihc	۲
6 . · · 100-	Recent Publica	ations			Recent Publica	ations		*
	Zhou M et al.,	J Cell Biochem. , 20	<i>0,</i> 109 (3), 606-14		Zhang Q et al.	, Cell Res ., 2010		
CYP46A1	12486-1-AP	Rabbit poly	elisa,wb,ihc	MYL2	10906-1-AP	Rabbit poly	elisa,wb,ihc	۲
the Maria	Recent Publica				Recent Publica			*
12AS			S A., 2009, 1 06 (9), 3225-30	0 00			Physiol. , 2010 Dec, 299 (6), L86	61-71
DACHI	10914-1-AP	Rabbit poly	elisa,wb,ihc	PCNA	10205-2-AP	Rabbit poly	elisa,wb,hc,if	۲
	Recent Publica	ations			Recent Publica	ations		*
A	Saunders LR e	t al., Aging, 2010, 2 (7), 415-31		Mu W et al., D	0ev Biol. , 2010, 34 7	7(2), 279-88	
DGCR8	10996-1-AP	Rabbit poly	elisa,wb,Hc,if	PDCD2	10725-1-AP	Rabbit poly	elisa,wb,ihc	۲
158kd→	Recent Publica				Recent Publica	ations		*
116kd→ 97kd→			2008, 3 (10), e3531		Zang Y et al., J	Biol Chem. , 2009,	284 (10), 6175-84	
DHX38	10098-2-AP	Rabbit poly	ELISA,WB	RBI	10048-2-lg	Rabbit poly	elisa,wb,ihc	۲
AND MARK	Recent Publica	ations		2084	Recent Publica	ations		*
123	Zhang Y et al.,	J Mol Cell Biol. , 20	10	17kd→ 6kd→	Peng S et al., S	tem Cells. , 2011		
DNAI2	17533-1-AP	Rabbit poly	ELISA,WB	RPS13	16680-1-AP	Rabbit poly	ELISA,WB	۲
5	Recent Publica				Recent Publica			*
36kd→ 28kd→		Spine (Phila Pa 1976). , 2011		Saito K et al., I		J S A. , 2009, 106 (20)	
GAPDH	60004-1-lg	Rabbit poly	ELISA,WB	SEC61G	III47-2-AP	Rabbit poly	elisa,wb,ihc	۲
	Recent Publica	ations			Recent Publica	ations		*
C 2	Yin X et al., Pro	oteomics ., 2006, 6 (24), 6437-46		Islam O et al.,	Mol Biol Cell. , 2009	<i>9,</i> 20 (1), 188-99	
IMMT	10179-1-AP	Rabbit poly	elisa,wb,hc,if	STMN2	10586-1-AP	Rabbit poly	elisa,wb,ihc	۲
Cale a	Recent Publica	ations			Recent Publica	ations		*
	Lawson DA et	al., Proc Natl Acad	Sci U S A., 2010, 107 (6),		Cashman N et	al., Muscle Nerve. ,	, 2008, 37 (5), 620-5	
KRTI8	10830-1-AP	Rabbit poly	elisa,wb,ihc	TARDBP	10782-2-AP	Rabbit poly	elisa,wb,hc,if	۲

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