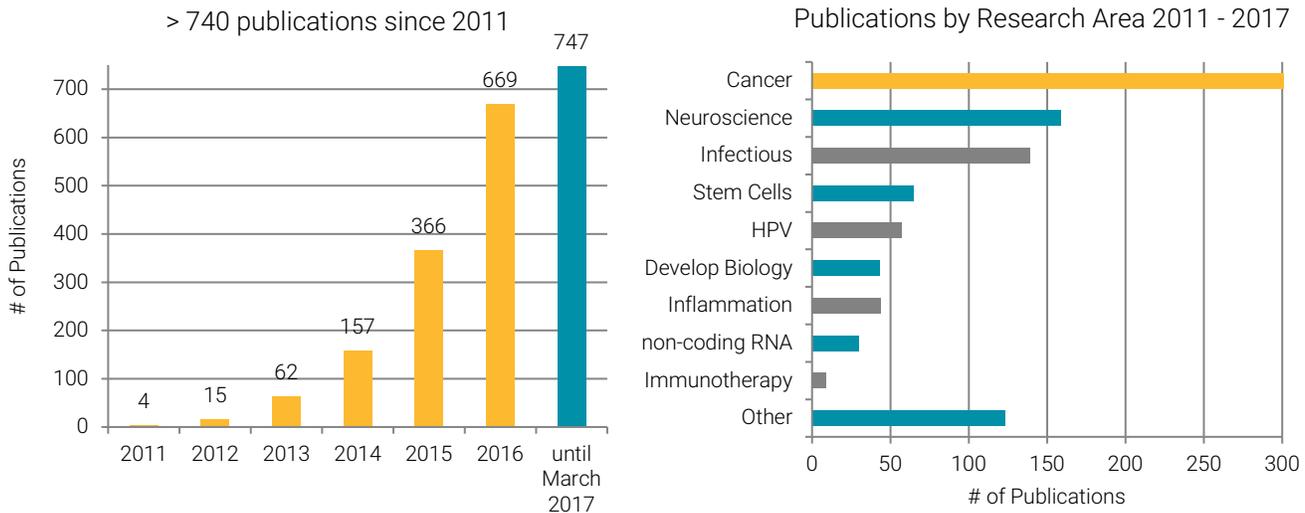


# RNAscope<sup>®</sup> Scientific Peer-reviewed Publications

## Subset of Publications: Dual IS-IHC

Updated March 2017

Complete list of publications available at [acdbio.com/publications](http://acdbio.com/publications)



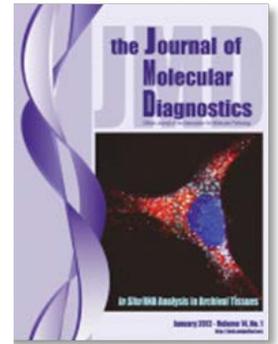
## RNAscope—A New Technology for *In Situ* Hybridization.

RNAscope is a new technology for single-molecule multiplex *in situ* RNA detection. This publication details the core principles behind RNAscope Technology.

### RNAscope: A Novel *In Situ* RNA Analysis Platform for Formalin-Fixed Paraffin-Embedded Tissues.

Wang F, Flanagan J, Su N, Wang LC, Bui S, Nielson A, Wu X, Vo HT, Ma XJ, Luo Y (2012). *J of Mol Diagnostics*, 14(1):22–29.

[PMID: 22166544](https://pubmed.ncbi.nlm.nih.gov/22166544/). doi:10.1016/j.jmoldx.2011.08.002.



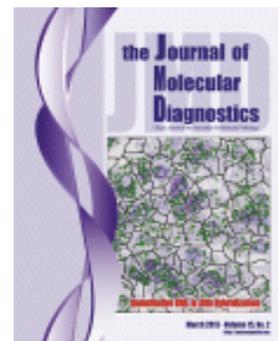
## RNAscope VS and SpotStudio™ Software for Quantitative & Automated *In Situ* Analysis.

With RNAscope VS Automated *in situ* hybridization and SpotStudio quantitative analysis, you can correlate your *in situ* mRNA staining results with RT-PCR data.

### Automated Quantitative RNA *In Situ* Hybridization for Resolution of Equivocal and Heterogeneous *ERBB2* (*HER2*) Status in Invasive Breast Carcinoma.

Wang Z, Portier BP, Gruver AM, Bui S, Wang H, Su N, Vo HT, Ma XJ, Luo Y, Budd GT, Tubbs RR (2013). *J of Mol Diagnostics*, 15(2):210-219.

[PMID: 23305906](https://pubmed.ncbi.nlm.nih.gov/23305906/). doi:10.1016/j.jmoldx.2012.10.003.



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- Selective expression of TSPAN2 in vascular smooth muscle is independently regulated by TGF-beta1/SMAD and myocardin/serum response factor.**  
Zhao J, Wu W, Zhang W, Lu YW, Tou E, Ye J, et al.  
FASEB journal : official publication of the Federation of American Societies for Experimental Biology 2017. [PMID: 28258189](#) DOI: 10.1096/fj.201601021R
- Automated Double In Situ Detection of Mouse Lgr5 mRNA and Lysozyme Protein in Examining the Neighboring Cell Types of the Mouse Intestinal Crypt.**  
Turkecul M, Barlas A, Yarilin D, Fujisawa S, Fan N, Brendel M, et al.  
Methods in molecular biology (Clifton, NJ) 2017; 1554:263-272.  
[PMID: 28185199](#) DOI: 10.1007/978-1-4939-6759-9\_19
- SHISA6 Confers Resistance to Differentiation-Promoting Wnt/ $\beta$ -Catenin Signaling in Mouse Spermatogenic Stem Cells.**  
Tokue M, Ikami K, Mizuno S, Takagi C, Miyagi A, Takada R, et al.  
Stem cell reports 2017. [PMID: 28196692](#) DOI: 10.1016/j.stemcr.2017.01.006
- CD24 expression does not affect dopamine neuronal survival in a mouse model of Parkinson's disease.**  
Stott SR, Hayat S, Carnwath T, Garas S, Sleeman JP, Barker RA.  
PloS one 2017; 12(2):e0171748.  
[PMID: 28182766](#) PMCID: PMC5300212 DOI:10.1371/journal.pone.0171748
- CLUH regulates mitochondrial metabolism by controlling translation and decay of target mRNAs.**  
Schatton D, Pla-Martin D, Marx MC, Hansen H, Mourier A, Nemazanyy I, et al.  
The Journal of cell biology 2017.  
[PMID: 28188211](#) PMCID: PMC5350512 DOI: 10.1083/jcb.201607019
- RNA immunoprecipitation identifies novel targets of DAZL in human foetal ovary.**  
Rosario R, Smith RW, Adams IR, Anderson RA.  
MHR: Basic science of reproductive medicine 2017:1-10.
- Cabozantinib Eradicates Advanced Murine Prostate Cancer by Activating Anti-Tumor Innate Immunity.**  
Patnaik A, Swanson KD, Csizmadia E, Solanki A, Landon-Brace N, Gehring MP, et al.  
Cancer discovery 2017.  
[PMID: 28274958](#) DOI: 10.1158/2159-8290.CD-16-0778
- Sustained inflammation after pericyte depletion induces irreversible blood-retina barrier breakdown.**  
Ogura S, Kurata K, Hattori Y, Takase H, Ishiguro-Oonuma T, Hwang Y, et al.  
JCI insight 2017; 2(3):e90905.  
[PMID: 28194443](#) DOI: 10.1172/jci.insight.90905

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Maidji E, Somsouk M, Rivera JM, Hunt PW, Stoddart CA.  
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[PMID: 28241080](#) DOI: 10.1371/journal.ppat.1006202

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10. **Coupling of Bone Resorption and Formation in Real Time: New Knowledge Gained from Human Haversian BMUs.**  
Lassen NE, Andersen TL, Ploen GG, Soe K, Hauge EM, Harving S, et al.  
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[PMID: 28177141](#) DOI: 10.1002/jbmr.3091

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11. **Accumulation of worn-out GBM material substantially contributes to mesangial matrix expansion in diabetic nephropathy.**  
Kriz W, Lowen J, Federico G, van den Born J, Grone E, Grone HJ.  
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[PMID:28228399](#) DOI: 10.1152/ajprenal.00020.2017

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Hot B, Valnohova J, Arthofer E, Simon K, Shin J, Uhlen M, et al.  
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[PMID: 28126591](#) DOI: 10.1016/j.cellsig.2017.01.023

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[PMID: 28262664](#) DOI: 10.1038/ncomms14583

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Gama L, Abreu CM, Shirk EN, Price SL, Li M, Laird GM, et al.  
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18. **Impact of age and vector construct on striatal and nigral transgene expression.**  
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19. **Distribution of Lgr5-positive cancer cells in intramucosal gastric signet-ring cell carcinoma.**  
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22. **Single-Cell Lineage Tracing Reveals that Oriented Cell Division Contributes to Trabecular Morphogenesis and Regional Specification.**  
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Grabinski TM, Kneynsberg A, Manfredsson FP, Kanaan NM.  
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Amadei G, Zander MA, Yang G, Dumelie JG, Vessey JP, Lipshitz HD, et al.  
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Stempel AJ, Morgans CW, Stout JT, Appukuttan B.  
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