



DISCONTINUATION OF MULTIPLEX V1 KIT

PRODUCT DISCONTINUATION

Product: RNAscope Fluorescent Multiplex Assay is our first-generation multiplex assay, based on direct labeled fluorophores intended for use on Fresh and Fixed Frozen samples

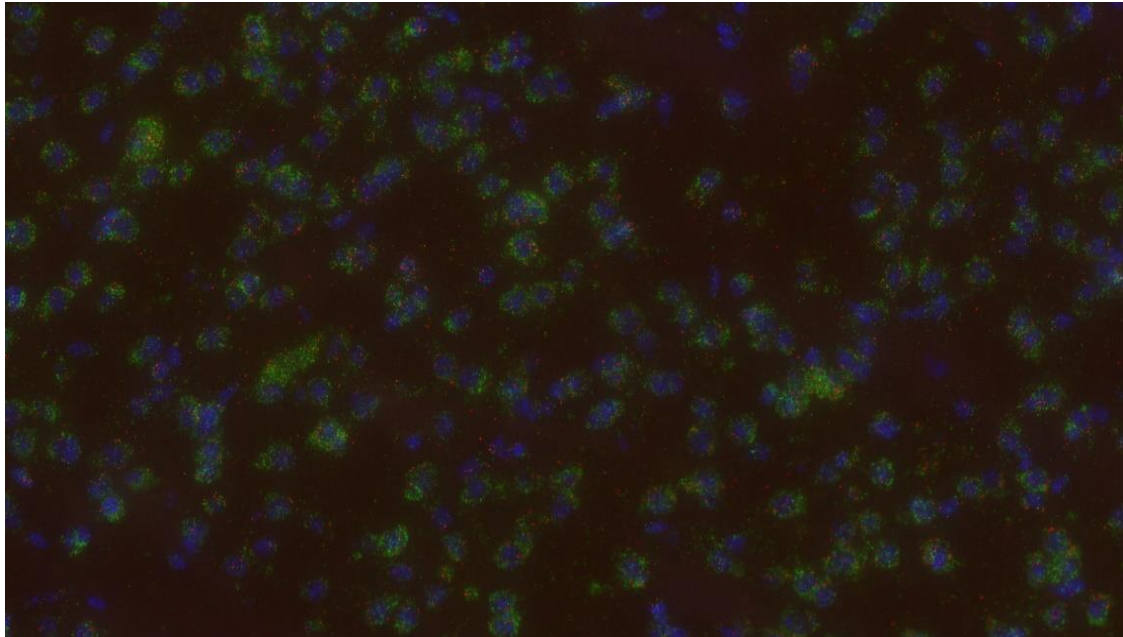
Current Product	Replacement Product
RNAscope® Fluorescent Multiplex Reagent Kit P/N 320850	RNAscope® Multiplex Fluorescent Reagent Kit v2 P/N 323100
RNAscope® Fluorescent Multiplex Detection Reagents P/N 320851	RNAscope® Multiplex Fluorescent Detection Kit v2 P/N 323110
RNAscope® Intro Pack for Multiplex Fluorescent Reagent Kit Fixed Frozen Mm P/N 323133 RNAscope® Intro Pack for Multiplex Fluorescent Reagent Kit Fresh Frozen Mm P/N 323130	RNAscope® Intro Pack for Multiplex Fluorescent Reagent Kit v2- Mm P/N 323136
RNAscope® Intro Pack for Multiplex Fluorescent Reagent Kit – Fresh Frozen – Rn P/N 323131 RNAscope® Intro Pack for Multiplex Fluorescent Reagent Kit – Fixed Frozen – Rn P/N 323134	RNAscope® Intro Pack for Multiplex Fluorescent Reagent Kit v2- Rn P/N 323137
RNAscope® Intro Pack for Multiplex Fluorescent Reagent Kit Fixed Frozen Hs P/N 323132	RNAscope® Intro Pack for Multiplex Fluorescent Reagent Kit v2- Hs P/N 323135

SUMMARY TABLE COMPARISON (MANUAL)

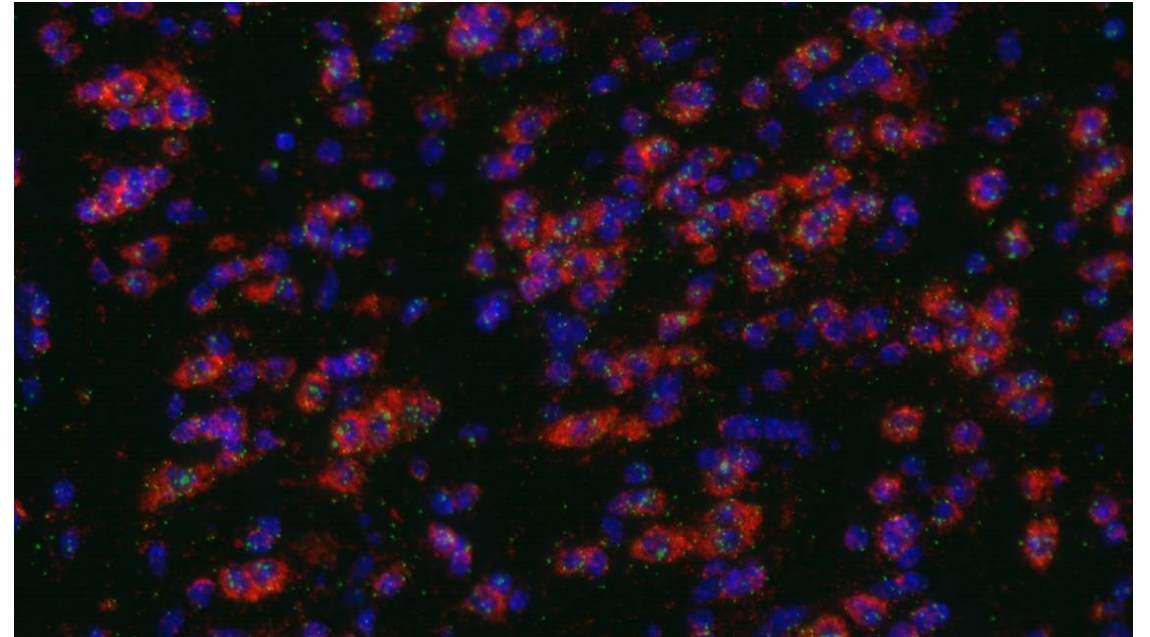
	Fluorescent Multiplex Assay (existing)	Multiplex Fluorescent Assay (Alternative)
Catalog Number	320850	323100
Length of time	1 day	2 days
Tissue Type	Fresh Frozen, Cultured Cells	FFPE, Fixed Frozen, Fresh Frozen,
Product Configuration	Detection Kit + Pretreatment Kit for Fresh Frozen + Wash Buffer	Detection Kit + Universal Pretreatment Kit (compatible with all sample types)+ Wash Buffer
Amplification and Visualization	using dyes with excitation and emission properties equivalent to those of FITC , Cy3 and Cy5 dyes.	For 4-plex assay we recommend using the Opal 520 (FITC range), Opal 570 (Cy 3 Range), Opal 620 (Texas Red Range) and Opal 690 (Cy 5.5 Range) dyes. The sequential assay workflow provides flexibility to visualize any probe in any of the TSA linked fluorophore channels.
Target Expression level	Medium to High	Low to High

SAME PROBE CHANNELS ARE COMPATIBLE WITH BOTH KITS

SIGNAL COMPARISON OF MUX V1 vs V2

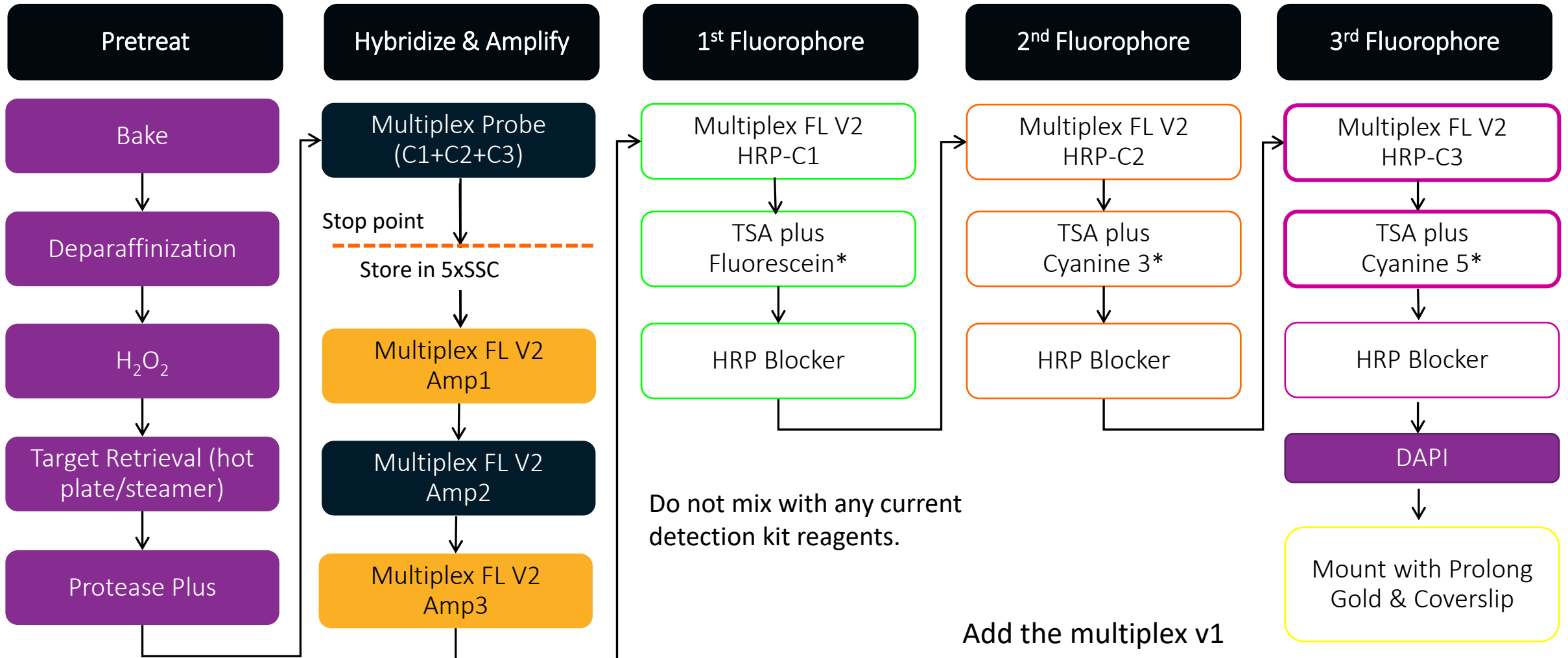


Mouse Fresh Frozen Tissues with 3-plex control probes (POLR2A, PPIB, UBC) with Multiplex V1 AMP4 Alt-C



Mouse Fresh Frozen Tissues with 4-plex control probes (POLR2A, PPIB, UBC, HPRT). Polr2A (green) and UBC (red) are shown in the snapshot.

Multiplex Fluorescent assay V2 work flow



* Reagents that customers need to obtain from Akoya

* Workflow split : Day 1 ~ 4 hours, Day 2 ~ 8 hours.

Do not mix with any current detection kit reagents.

Add the multiplex v1 assay workflow, comparing the workflow

GETTING STARTED WITH MULTIPLEX FLUORESCENT v2 ASSAY

❑ What to order from **ACD** for performing **3-plex assay**

REAGENT KIT 20 slides	RNAscope® Multiplex Fluorescent Reagent Kit v2 Cat No. 323100
TARGET PROBES 20 slides	RNAscope® Target Probes (Catalog or Made-to-Order C1, C2 , C3 or C4 Probes)
CONTROL PROBES 20 slides	<ul style="list-style-type: none">• RNAscope® 3-Plex Positive Control Probe- Hs POLR2A (C1 Channel), PPIB (C2 Channel), UBC(C3 Channel) Cat No. 320861• RNAscope® 3-plex Positive Control Probe- Mm POLR2A (C1 Channel), PPIB (C2 Channel), UBC(C3 Channel) Cat No. 320881• RNAscope® 3-plex Positive Control Probe- Rn POLR2A (C1 Channel), PPIB (C2 Channel), UBC(C3 Channel) Cat No. 320881• RNAscope® 3-plex Negative Control Probe dapB in all 3 channels Cat No. 320878
CONTROL SLIDES	RNAscope® Control Slides (Hela and 3T3)

Benefits of Multiplex V2

Detect low expressers

High S:N in all channels enables low expressers to be analyzed in any channel

Easy to Use

No additional sample optimization required, targets easily compatible with any channel

Dual ISH & IHC application

Robust stable signal for ISH allows followed by IHC protocols

Multiple sample type compatibility

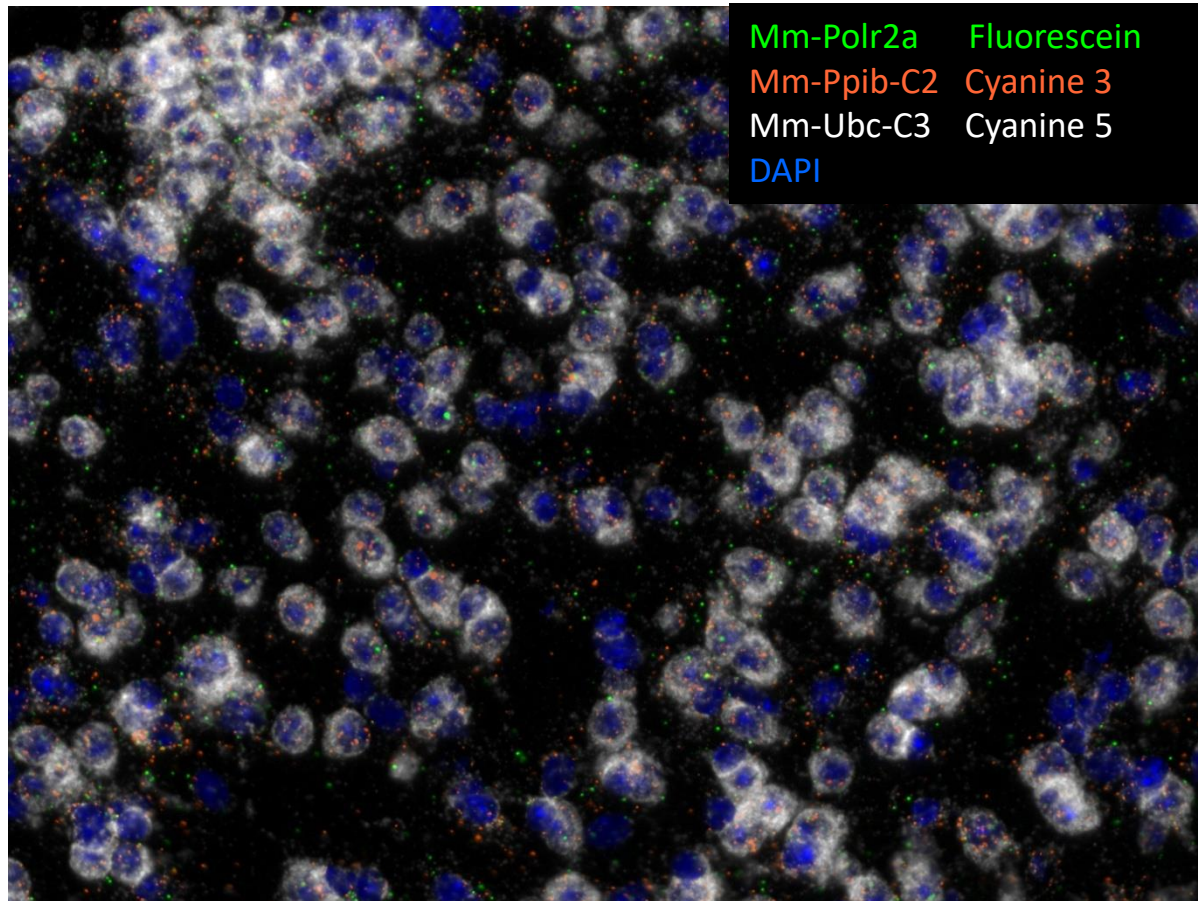
Compatible with FFPE and Fresh Frozen samples

Sharper Image

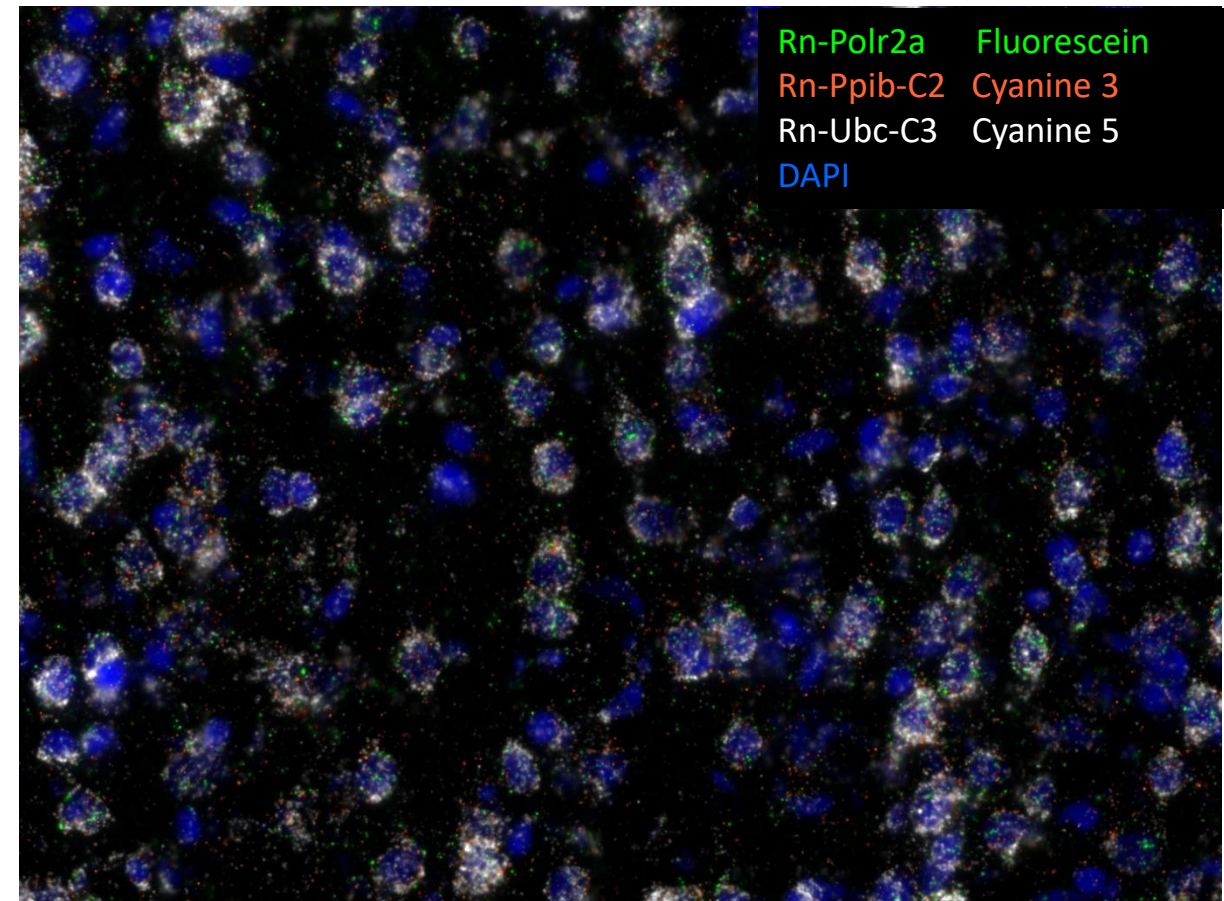
Publication grade image with high contrast colors

Multiplex Fluorescent assay V2

Mouse Brain Fresh Frozen

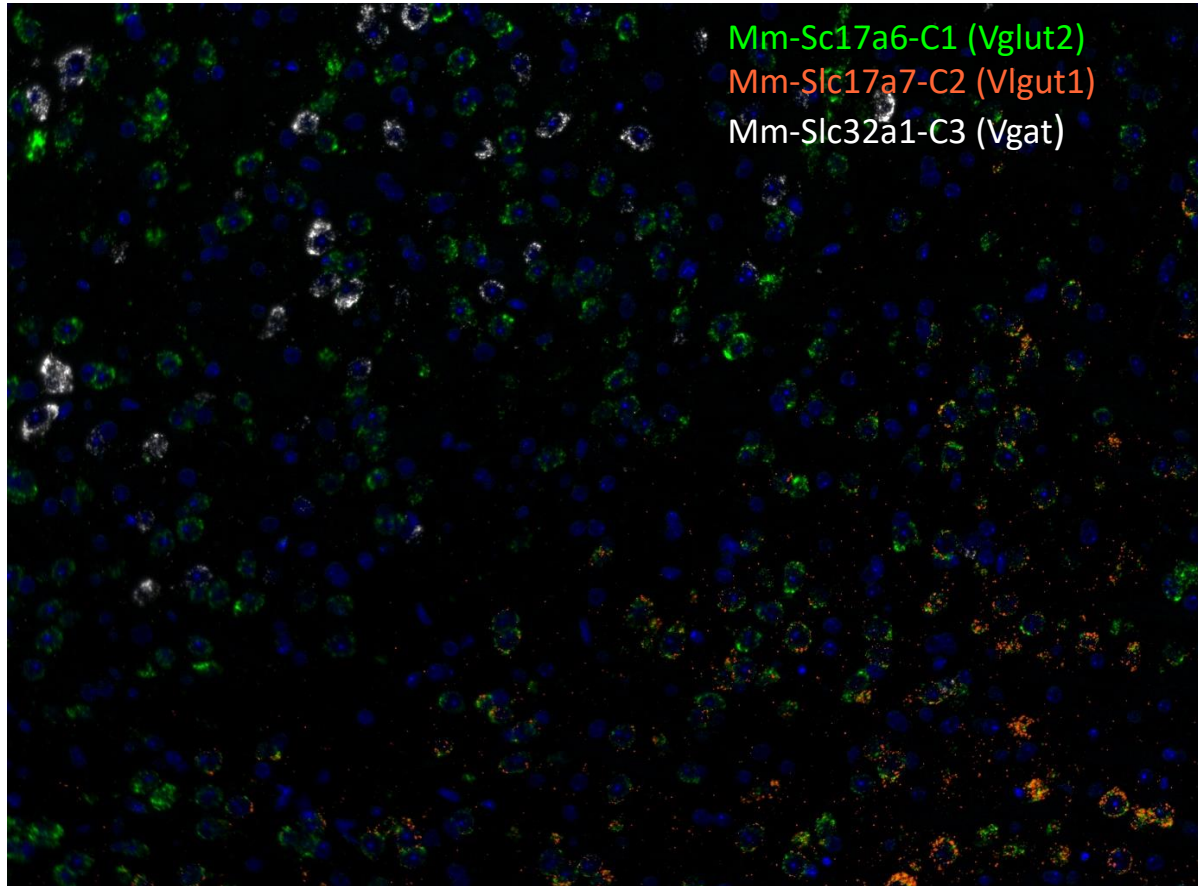


Rat Brain Fresh Frozen

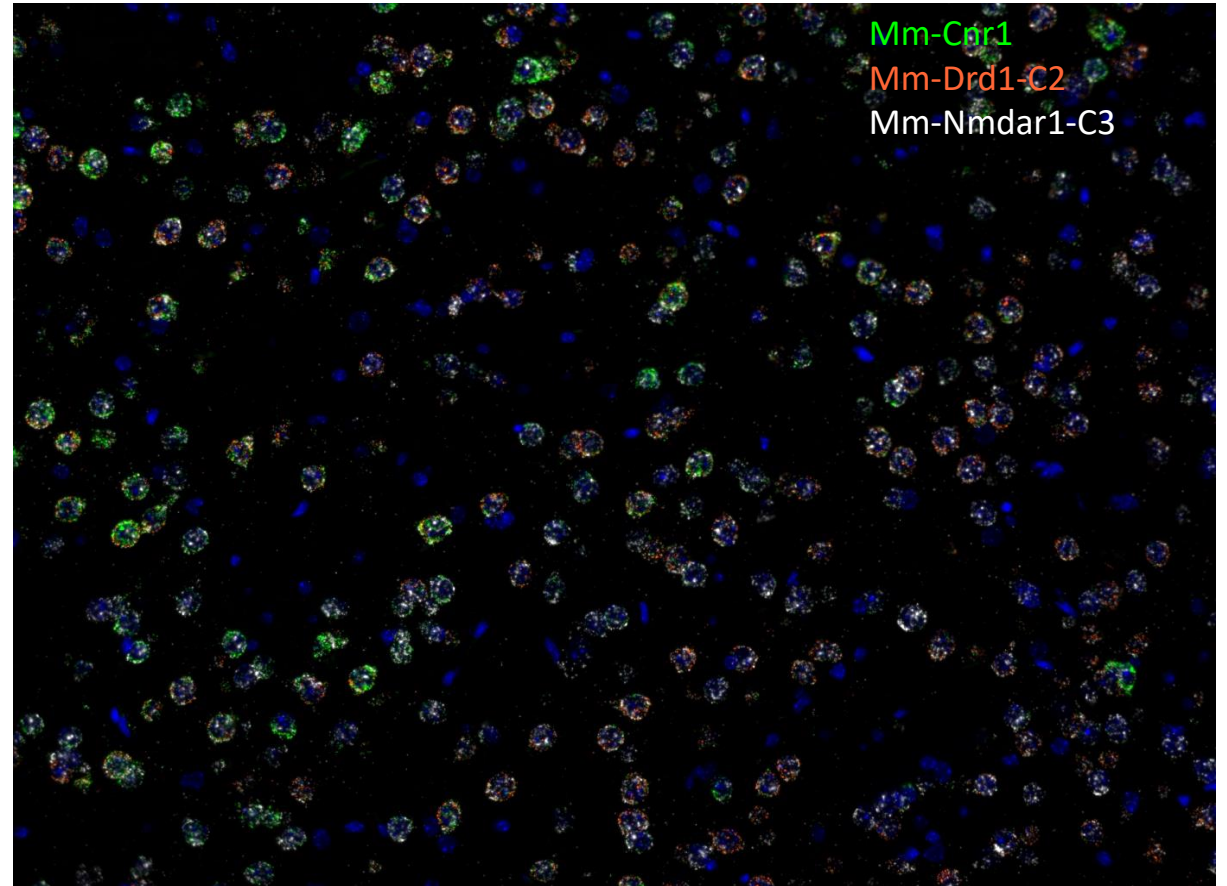


NEUROSCIENCE MARKERS WITH MULTIPLEX v2 ASSAY

Mouse Brain FFPE

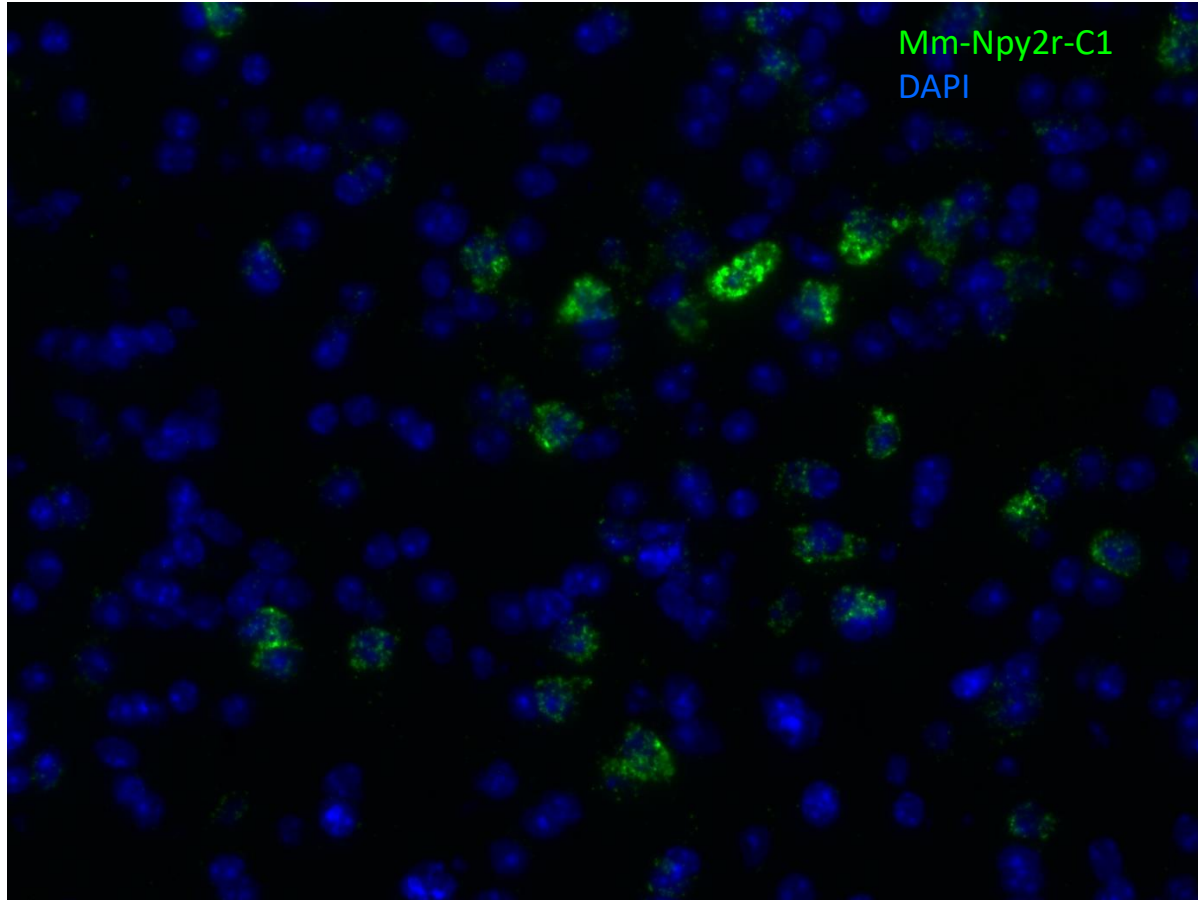


Mouse Brain FFPE

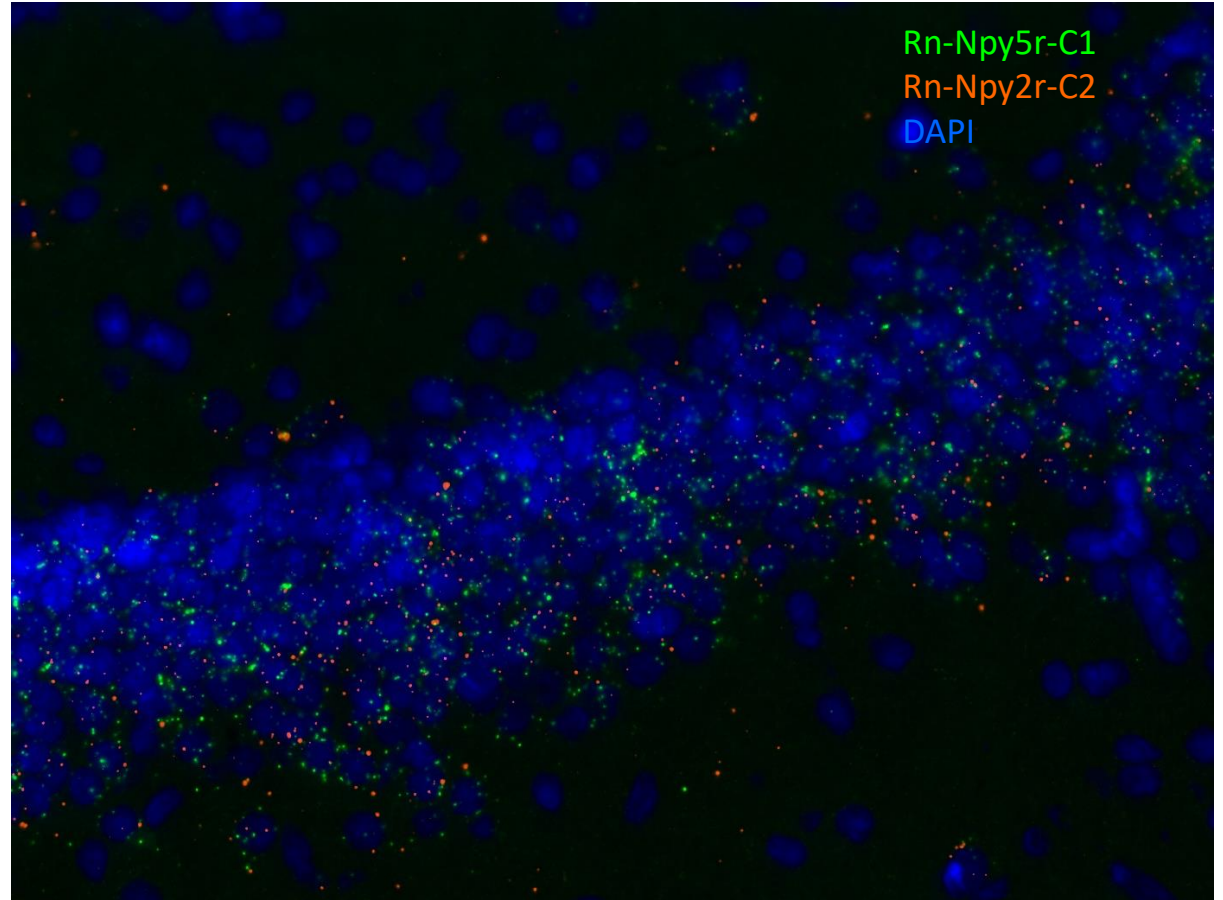


NEUROSCIENCE MARKERS (LOW EXPRESSING) MULTIPLEX v2 ASSAY

Mouse Brain fresh frozen

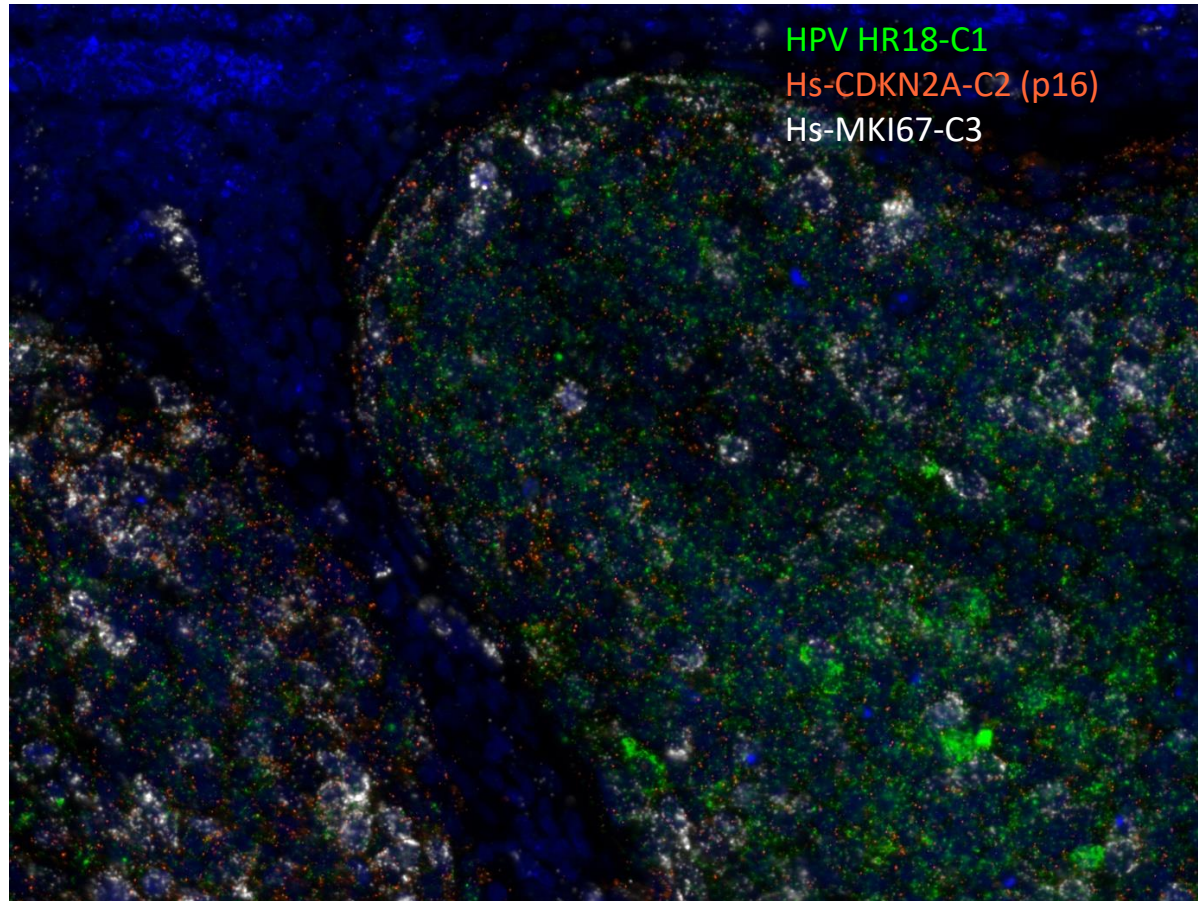


Rat Brain fresh frozen

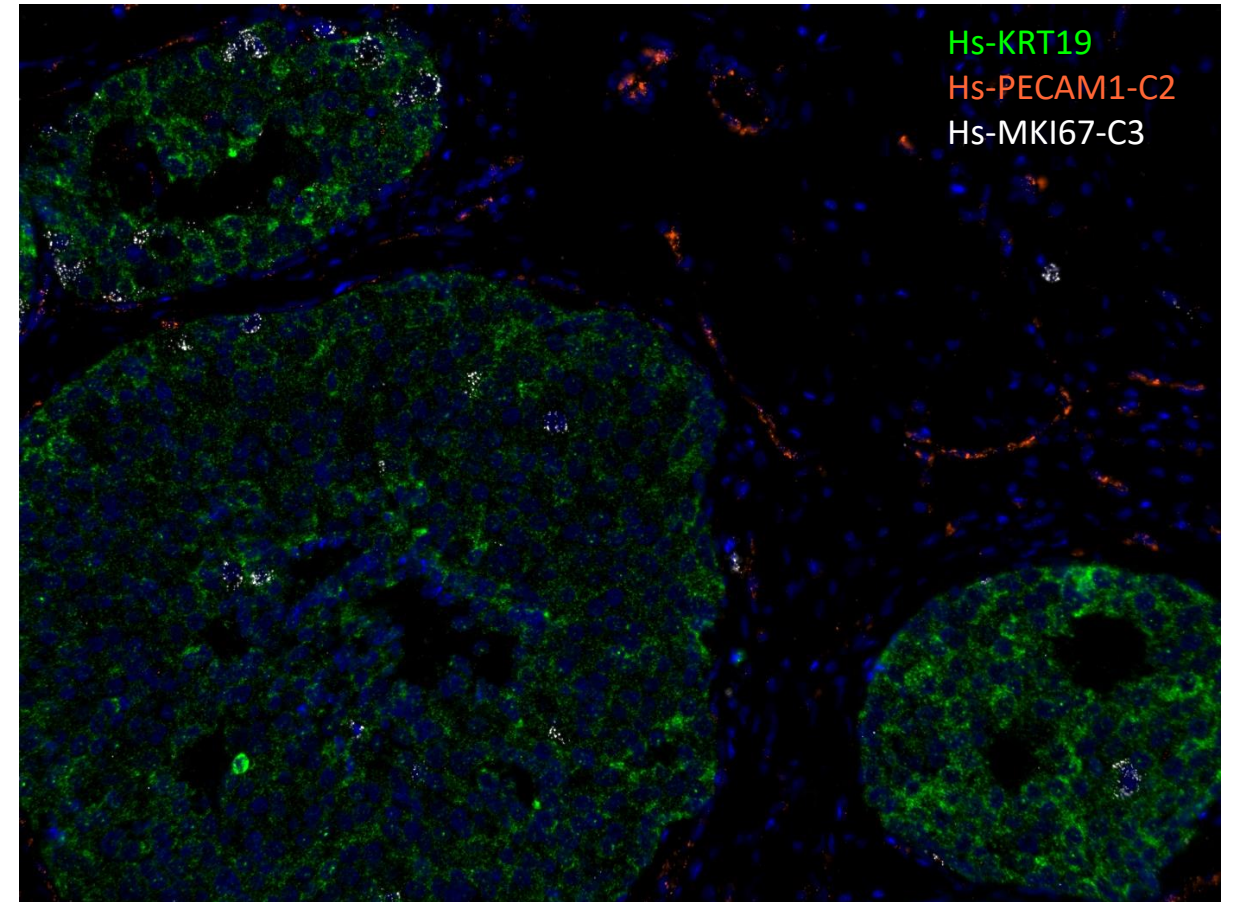


ONCOLOGY MARKERS WITH MULTIPLEX v2

Head and Neck cancer FFPE

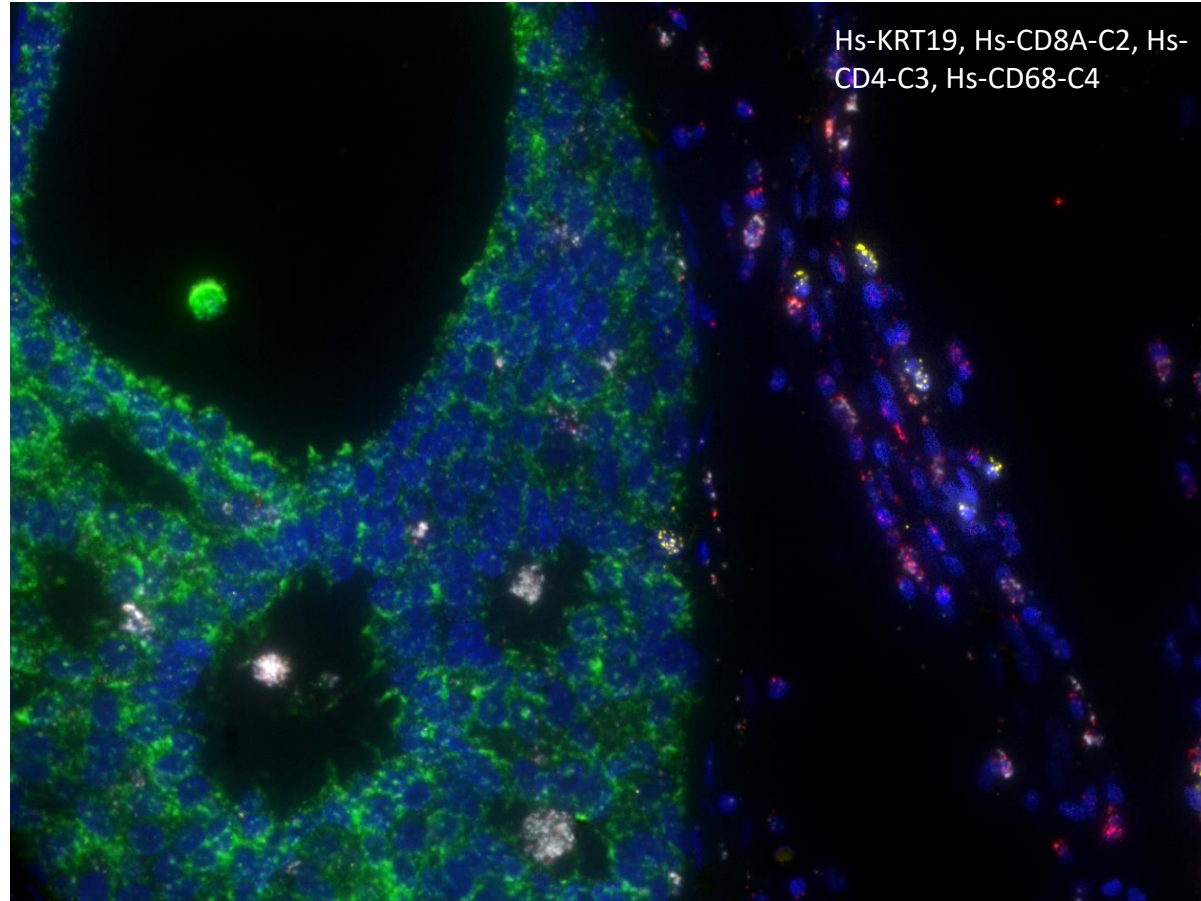


Breast cancer FFPE

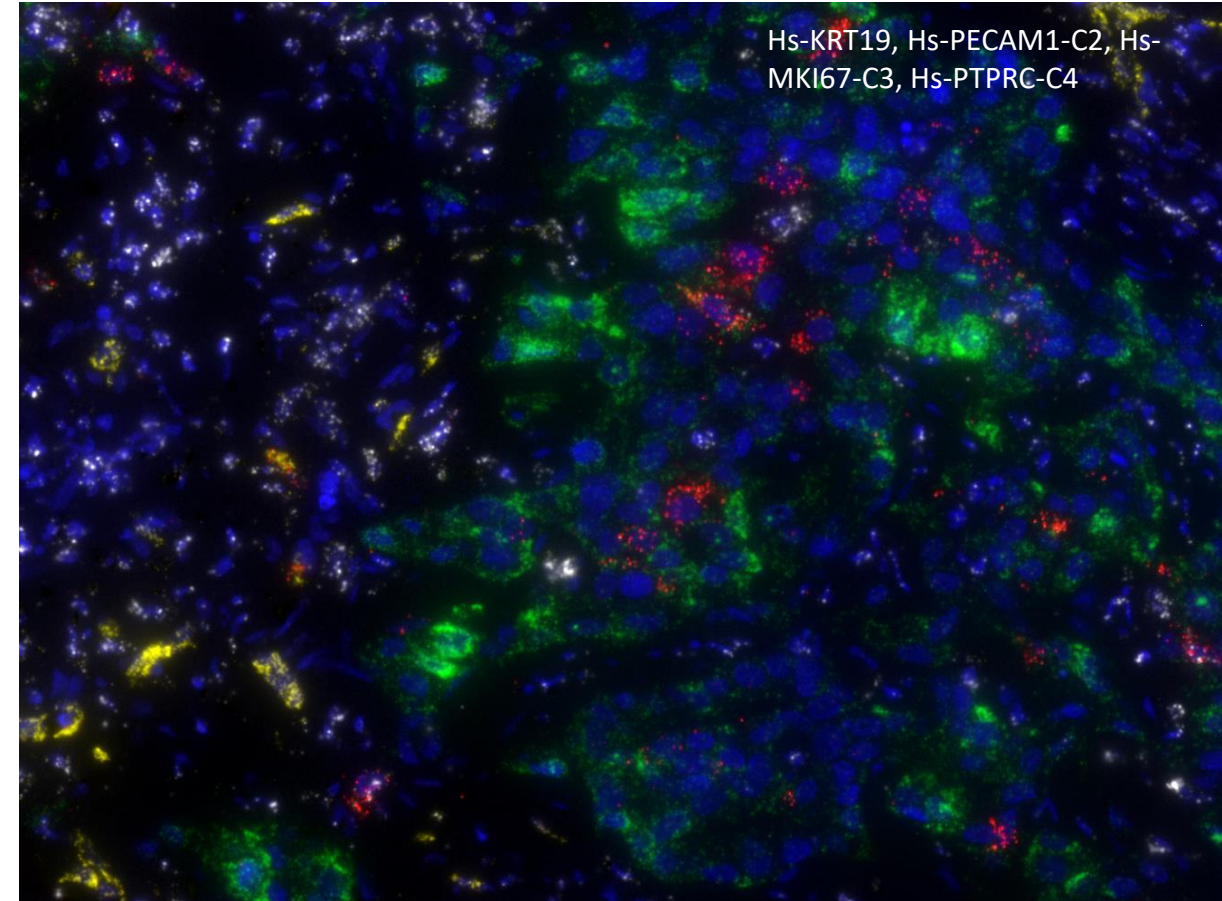


ONCOLOGY MARKERS WITH MULTIPLEX v2 4-PLEX CAPABILITY

Breast Cancer, FFPE

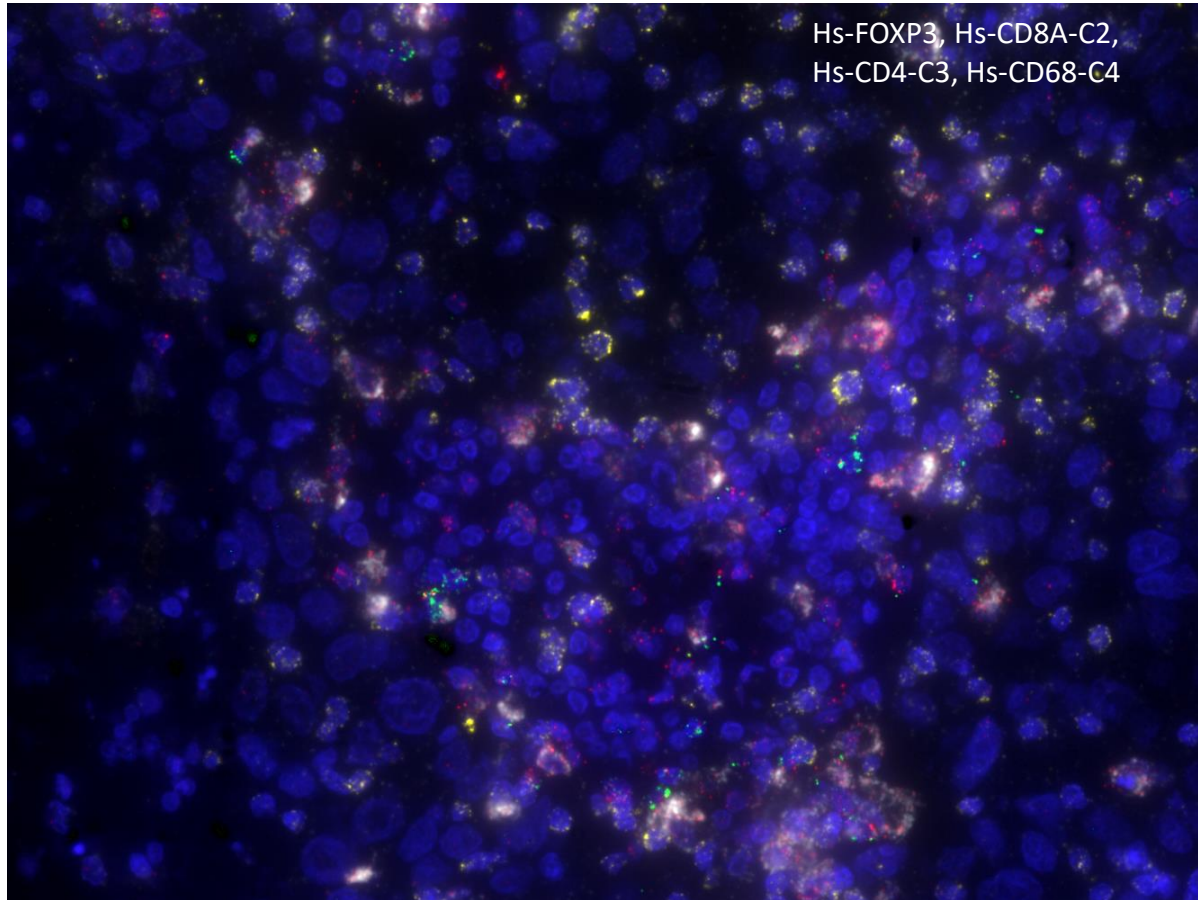


Liver Cancer, FFPE

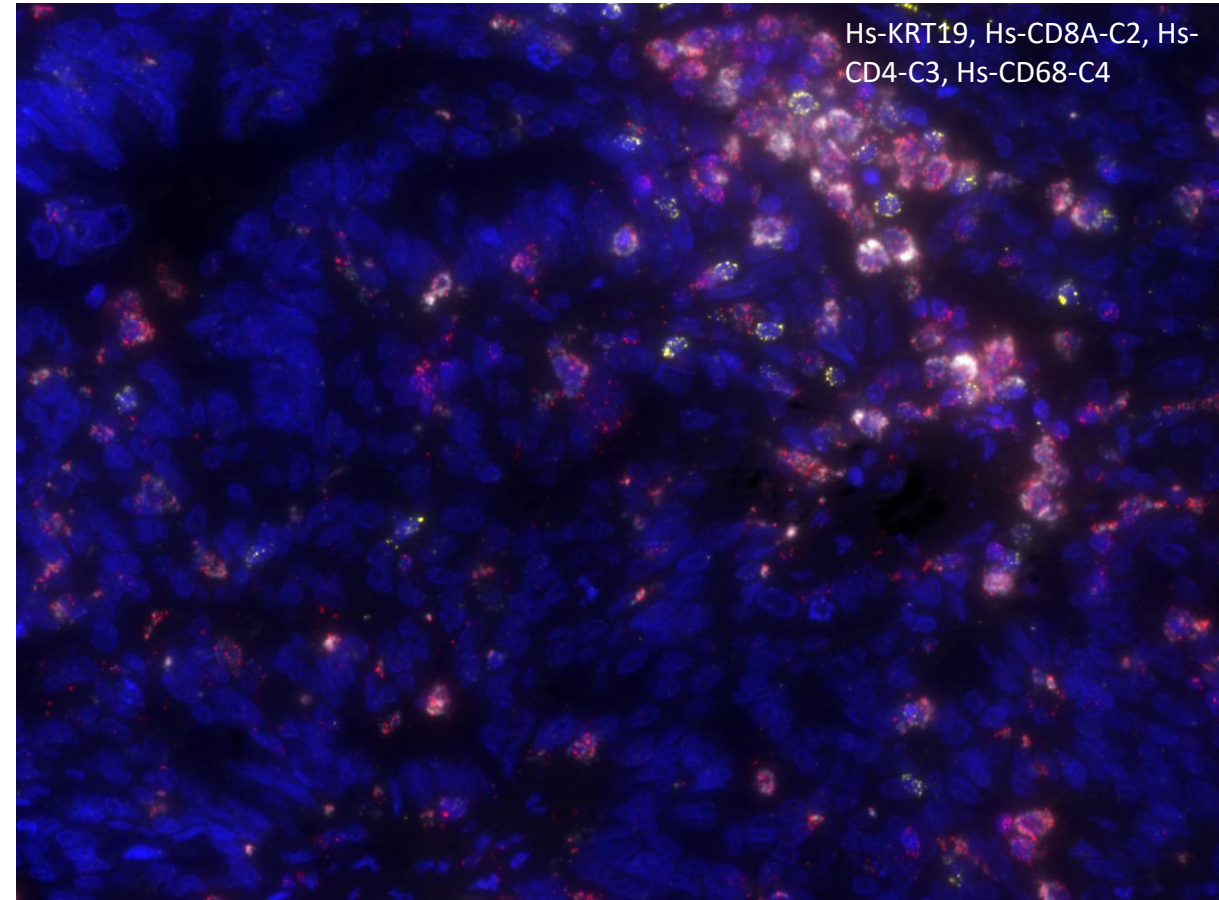


ONCOLOGY MARKERS 4-PLEX CAPABILITY

Lung Cancer, FFPE



Ovarian Cancer, FFPE



RNA- PROTEIN CO-DETECTION WITH MULTIPLEX v2 ASSAY

3-PLEX RNASCOPE ISH WITH KI67 AB IHC

