RNAscope® 2-Plex Chromogenic Assays

For FFPE Tissue

Powerful in situ RNA detection.

The RNAscope 2-plex FFPE Assay is an in situ hybridization (ISH) based assay system designed to simultaneously visualize two cellular RNA targets in formalin-fixed, paraffin-embedded (FFPE) tissue sections. The RNAscope 2-plex Assay incorporates multiplexed signal amplification systems which enable users to investigate expression as well as the positional relationship between two different genes within a cellular context.

Single-molecule sensitivity.

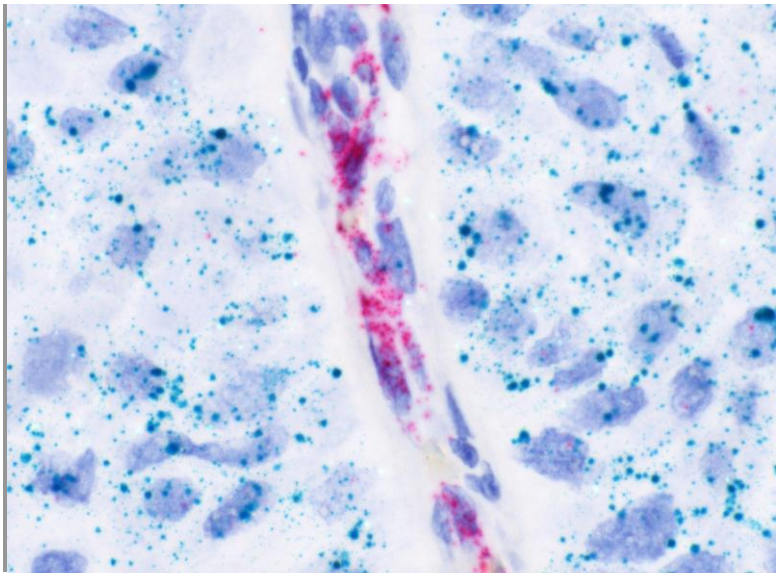
RNAscope 2-plex FFPE Assays utilize a proprietary method for chromogenic RNA in situ hybridization based on ACD's patented signal amplification and background suppression technology. The exceptional sensitivity and specificity of RNAscope enables robust detection of single RNA molecules per cell in FFPE tissue sections. Each single RNA transcript can be directly visualized as a distinct dot of chromogen precipitate under a common bright-field microscope.

Visualize *ANY* gene pair.

RNAscope 2-plex Assays employ two independent signal amplification systems, each carrying different chromogenic enzymes, resulting in two different RNA targets appearing as dots of two distinct chromogen colors (red and green).

Assay Features:

> Simple, robust, 8-hour manual assay
> Single-molecule RNA detection
> Each kit stains 20 assays with Ready-to-use reagents
> Fully optimized protocol for FFPE tissue
> Designed to perform using the HybEZ™ Oven
> Results easily observed with a bright-field microscope.



Pecam-1 (red) and EGFR (green) expression in breast cancer FFPE tissue stained using the RNAscope Chromogenic 2-plex FFPE Assay kit, 100x oil lens.

CAT #	Product Name
320700	RNAscope 2-Plex FFPE Reagent Kit
320701	RNAscope 2-Plex FFPE Detection Kit
310020	Pretreatment Kit
310091	Wash Buffer
300037	RNAscope 2-Plex Target Probe, email your gene pair to order@acdbio.com
320741	RNAscope 2-Plex Housekeeping Gene Positive Control Probe (PPIB-red-pos + PolR2a-green-pos)
320751	RNAscope 2-Plex Negative Control Probe (DapB-red-neg + DapB-green-neg)
310045	RNAscope Control Slides (4 slides/pack)
310011	HybEZ™ Oven (110 VAC)
310032	HybEZ™ Oven (220 VAC)
310012	HybEZ™ Humidity Control Tray (with Lid)
310014	HybEZ™ Slide Rack (20 slide capacity)
310015	HybEZ™ Humidifying Paper (10 pack)

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