

RNAscope™ Anatomic Pathology Panels

FROM OUR WIDE PORTFOLIO OF READY-TO-USE PROBES, ACD provides a broad menu of high-quality RNAscope probes for your RNA ISH needs in Anatomic Pathology.

We have categorized the key RNAscope probes into nine Anatomic Pathology panels, based upon the most common tumor, tissue, and infectious disease types. Each panel includes RNAscope probes designed to enhance assessment and characterization of target markers in the various disease states. The Anatomic Pathology panels provide labs with the opportunity to add new markers to complement and enhance their traditional IHC panels.

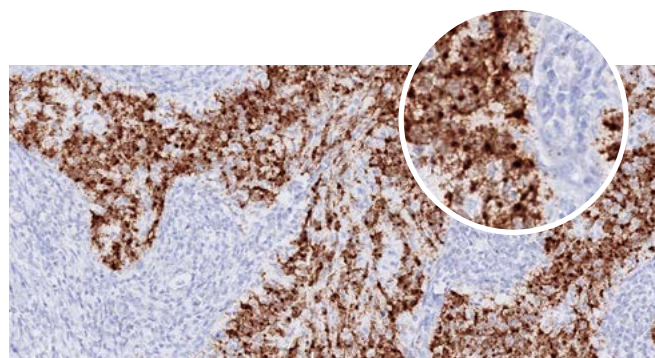
Why choose RNAscope ISH for your panels?

- **Unparalleled sensitivity and specificity**
Detect any marker of interest with consistently reliable results in support of your anatomic pathology needs.
- **Surpass traditional IHC challenges**
Easy validation, omit issues with high background, low signal or suboptimal antibodies.
- **Choose your platform**
RNAscope ISH probes are available and ready to use in both manual and automated formats. RNAscope probes have been developed for full automation on the Leica BOND and Roche Discovery platforms.
- **Intuitive protocol, implemented seamlessly into your workflow**
The RNAscope ISH protocol is easy to follow, similar in workflow to IHC and can be transferred to your established Leica BOND and Roche Discovery staining platforms with ease.

| Head and Neck Pathology | |
|--|------------|
| Marker | Probe Name |
| HPV High Risk 18 Pool (16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 73, 82) | HPV HR18 |
| HPV Low Risk 6 Pool (6, 11, 40, 42, 53, 44) | HPV LR6 |
| HPV 16 | HPV 16* |
| HPV 18 | HPV 18* |
| HPV 45 | HPV 45 |
| MYB | Hs-MYB |

| Hematopathology | |
|----------------------------|----------------------|
| Marker | Probe Name |
| IG Kappa | Hs-IGK* |
| IG Lambda | Hs-IGL* |
| IGLL5 | Hs-IGLL5* |
| <i>Bartonella henselae</i> | B-B.henselae-23SrRNA |
| CXCL13 | Hs-CXCL13 |
| EBV | EBV EBER-1* |
| IRTA1 (FCRL4) | Hs-FCRL4 |
| PD-L2 (PDCD1LG2) | Hs-PDCD1LG2-01 |

| GI/Liver Pathology | |
|----------------------------|----------------|
| Marker | Probe Name |
| Albumin | Albumin* |
| <i>Helicobacter pylori</i> | B-H.pylori-16S |



RNAscope ISH is easy to interpret and quantify, allowing for straightforward light microscopic assessment, similar to IHC. In this example of a human oropharyngeal squamous cell carcinoma (FFPE tissue), the HPV HR18 probe highlights transcriptionally active high risk HPV. The brown chromogenic dots represent individual HPV E6/E7 mRNA molecules.

| Cervical / Gynecologic Pathology | |
|--|-------------|
| Marker | Probe Name |
| HPV High Risk 18 Pool (16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 73, 82) | HPV HR18 |
| HPV Low Risk 6 Pool (6, 11, 40, 42, 43, 44) | HPV LR6 |
| HPV 6 | HPV 6* |
| HPV 6/11 | HPV 6/11 |
| HPV 11 | HPV 11* |
| HPV 16 | HPV 16* |
| HPV 16/18 | HPV 16/18 |
| HPV 18 | HPV 18* |
| HPV 31 | HPV 31* |
| HPV 33 | HPV 33* |
| <i>Chlamydia trachomatis</i> | Ctr-16SrRNA |
| TERT | Hs-TERT-O1 |

| Dermatopathology | |
|--|-----------------------|
| Marker | Probe Name |
| HPV High Risk 18 Pool (16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 73, 82) | HPV HR18 |
| HPV Low Risk 6 Pool (6, 11, 40, 42, 43, 44) | HPV LR6 |
| <i>Candida albicans</i> | F-C. albicans-18SrRNA |
| Merkel Cell Polyoma Virus | V-MCPyV-LT-ST-Ag |
| PRAME | Hs-PRAME |

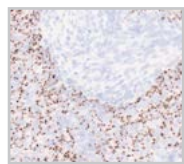
| Uropathology | |
|--------------|------------|
| Marker | Probe Name |
| BK Virus | V-BKV |
| TERT | Hs-TERT-O1 |

| Infectious Disease Pathology | |
|--|-----------------------|
| Marker | Probe Name |
| HPV High Risk 18 Pool (16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 73, 82) | HPV HR18 |
| HPV Low Risk 6 Pool (6, 11, 40, 42, 43, 44) | HPV LR6 |
| BK Virus | V-BKV |
| CMV | CMV* |
| EBV | EBV EBER-1* |
| Merkel Cell Polyoma Virus | V-MCPyV-LT-ST-Ag |
| RSV | V-RSV-NP |
| SARS CoV-2 | V-nCoV2019-S* |
| <i>Bartonella henselae</i> | B. henselae-23SrRNA |
| <i>Chlamydia trachomatis</i> | Ctr-16srRNA |
| <i>Candida albicans</i> | F-C. albicans-18SrRNA |
| Human herpesvirus 1 strain 17 (HSV-1) | V-HSV1-UL42 |
| Human herpesvirus 2 strain HG52 (HSV-2) | V-HSV2-UL42 |
| <i>Treponema pallidum</i> | B-T.pallidum-23SrRNA |

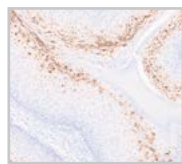
| Lung Pathology | |
|--------------------|-----------------|
| Marker | Probe Name |
| ALK Translocation | Hs-ALK-E19-E29 |
| ROS1 Translocation | Hs-ROS1-E35-E43 |
| SARS-CoV-2 | V-nCoV2019-S* |
| TTF-1 | TTF-1* |

| Miscellaneous Oncology | |
|------------------------|----------------|
| Marker | Probe Name |
| FGF23 | Hs-FGF23 |
| Pan NTRK1/2/3 | NTRK1/2/3 Pool |
| PD-L1 | Hs-CD274 |
| MDM2 | Hs-MDM2 |

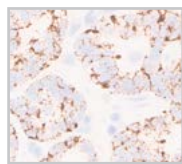
● Popular Probes



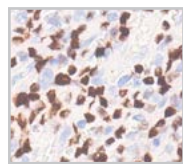
High Risk HPV HR18



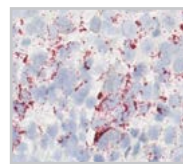
Low Risk HPV LR6



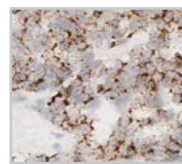
Albumin



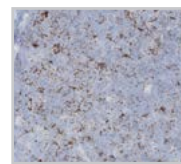
EBV (EBER)



**Treponema
Pallidum**



**Immunoglobulin
Kappa**



**Immunoglobulin
Lambda**

*RNAscope probes are also available as Analyte Specific Reagents (ASRs). Please contact Clinical-Diagnostics@bio-techne.com to learn more!

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