

## Cytokeratin 20 (KRT20) (Colorectal Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone KRT20/1991]

Catalog No	Format	Size
54474-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
54474-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
54474-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

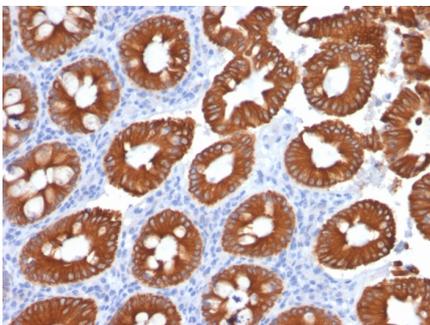
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

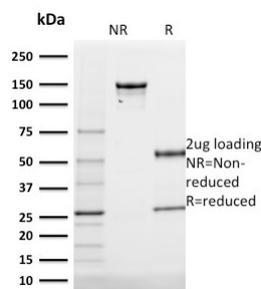
<b>Clone</b>	KRT20/1991
<b>Gene Name</b>	KRT20
<b>Immunogen</b>	Recombinant fragment of human KRT20 protein (around aa 196-323) (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	46kDa
<b>Cellular Localization</b>	Cytoplasm
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	HT-29 cells. Colon Carcinoma.

\*Optimal dilution for a specific application should be determined.

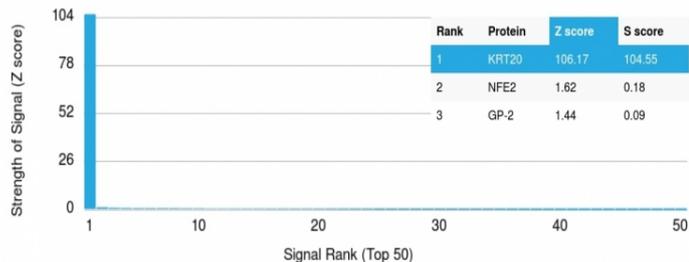
### Product Images for Cytokeratin 20 (KRT20) (Colorectal Epithelial Marker) Antibody



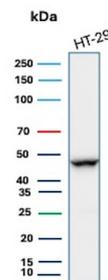
Formalin-fixed, paraffin-embedded human Normal Colon stained with Cytokeratin 20 (KRT20) Mouse Monoclonal Antibody (KRT20/1991).



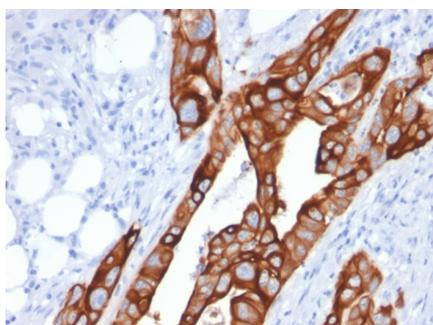
SDS-PAGE Analysis Purified Cytokeratin 20 (KRT20) Mouse Monoclonal Antibody (KRT20/1991). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteins using Cytokeratin 20 (KRT20) Mouse Monoclonal Antibody (KRT20/1991). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western Blot Analysis of HT-29 cell lysate using Cytokeratin 20 Mouse Monoclonal Antibody (KRT20/1991).



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 20 (KRT20) Mouse Monoclonal Antibody (KRT20/1991).

### Specificity & Comments

This MAb recognizes an intermediate filament protein of 46kDa, identified as cytokeratin 20 (KRT20). KRT is abundantly expressed in goblet cells and enterocytes of the gastrointestinal tract. It is a useful marker of pancreatic and colorectal cancer. KRT20 is expressed under normal, hyperplastic and neoplastic conditions. It has been detected in adenocarcinomas of the colon, stomach and biliary tract. Breast carcinomas are generally non-reactive.

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Autophagy, Developmental Biology, Gastrointestinal Tract

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.