

Mouse Cytokeratin 20 (KRT20) Monoclonal Antibody | anti-KRT20 antibody

Cytokeratin 20 (KRT20) (Colorectal Epithelial Marker)

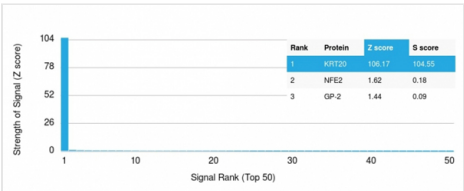
CATALOG # AAA214794	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Cytokeratin 20 (KRT20); Monoclonal Antibody; Cytokeratin 20 (KRT20) (Colorectal Epithelial Marker); CK20; Cytokeratin-20; K20; KA20; Keratin 20; keratin 20; type I; Keratin type I cytoskeletal 20; Keratin-20; KRT20; anti-KRT20 antibody

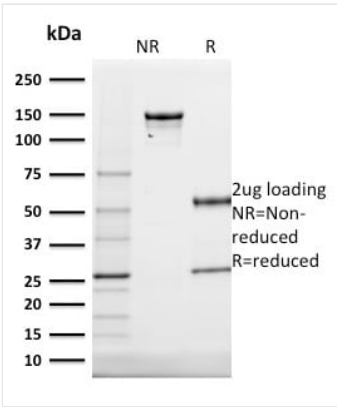
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	KRT20/1991
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	424
Applicable Applications for anti-KRT20 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fragment of human KRT20 protein (around aa 196-323) (exact sequence is proprietary)
Positive Control	HT29 Cells. Colon Carcinoma
Cellular Localization	Cytoplasmic
Chromosome Location	17q21.2
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



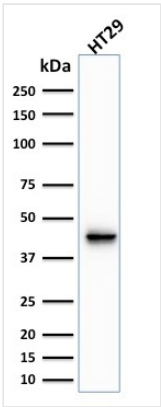
Application Data

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 HuProtTM 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 HuProtTM 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.



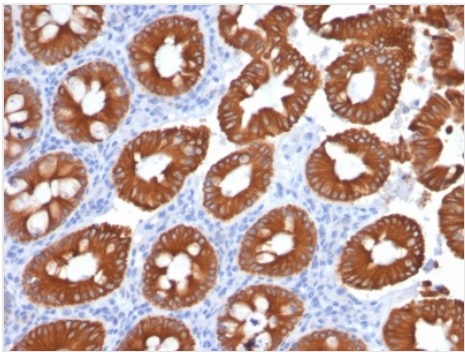
SDS_PAGE

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



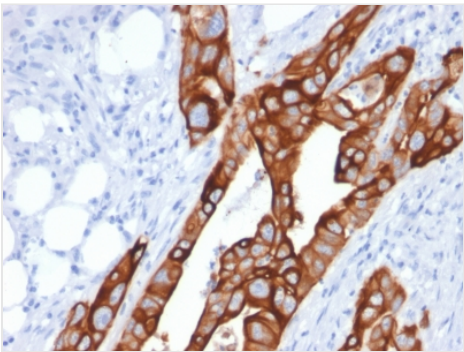
WB (Western Blot)

Western Blot Analysis of human HT29 Cell lysate using Cytokeratin 20 (KRT20) Mouse Monoclonal Antibody (KRT20/1991).



IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

References

Moll, R., et al. 1993. The human gene encoding Cytokeratin 20 and its expression during fetal development and in gastrointestinal carcinomas. Differentiation 53: 75-93.; Wauters, C.C., et al. 1995. Keratins 7 and 20 as diagnostic markers of carcinomas metastatic to the ovary. Hum. Pathol. 26: 852-855.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27894337
NCBI GeneID	54474
NCBI Accession #	NP_061883.1
NCBI GenBank Nucleotide #	NM_019010.2
UniProt Accession #	P35900; B2R6W7
Molecular Weight	46kDa
NCBI Official Full Name	keratin, type I cytoskeletal 20
NCBI Official Synonym Full Names	keratin 20
NCBI Official Symbol	KRT20
NCBI Official Synonym Symbols	K20; CD20; CK20; CK-20; KRT21
NCBI Protein Information	keratin, type I cytoskeletal 20
UniProt Protein Name	Keratin, type I cytoskeletal 20
UniProt Gene Name	KRT20
UniProt Synonym Gene Names	CK-20; K20

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cytokeratin-20-krt20-antibody-clone-krt20-1991-immunohistochemistry-western-blot-elisa/214794>