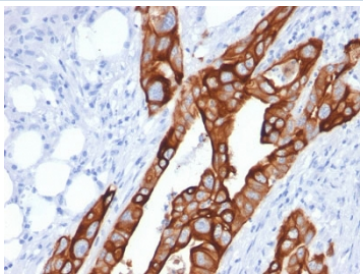
Cytokeratin 20 Antibody / CK20 / KRT20 [clone KRT20/1991] (V7513)

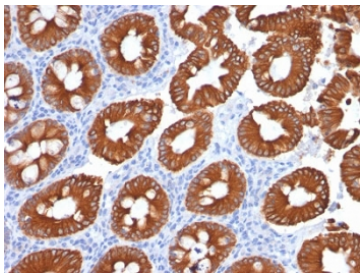
Catalog No.	Formulation	Size
V7513-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7513-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7513SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7513IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KRT20/1991
Purity	Protein G affinity chromatography
UniProt	P35900
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Cytokeratin 20 antibody is available for research use only.



IHC testing of human colon carcinoma with Cytokeratin 20 antibody (clone KRT20/1991). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.



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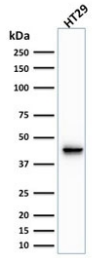
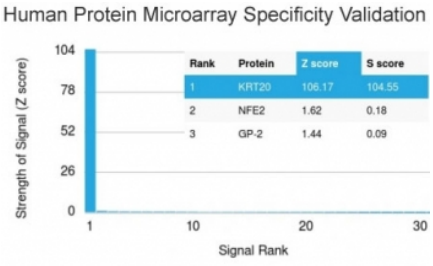
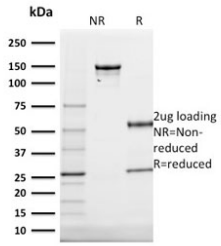


Western blot testing of human HT29 cell lysate with Cytokeratin 20 antibody (clone KRT20/1991). Predicted molecular weight ~46 kDa.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Cytokeratin 20 antibody (clone KRT20/1991). These results demonstrate the foremost specificity of the KRT20/1991 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Cytokeratin 20 antibody (clone KRT20/1991) as confirmation of integrity and purity.

Description

This mAb recognizes an intermediate filament protein of 46kDa, identified as Cytokeratin 20 (KRT20, CK20). 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.

Application Notes

Optimal dilution of the Cytokeratin 20 antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A portion of amino acids 196-323 from the human protein was used as the immunogen for this Cytokeratin 20 antibody.

Storage

Store the Cytokeratin 20 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).