Datasheet for ABIN6940346

anti-KRT20 antibody (AA 196-323)

5 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	KRT20
Binding Specificity:	AA 196-323
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT20 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment of human KRT20 protein (around aa 196-323) (exact sequence is proprietary)
Clone:	KRT20-1991
Isotype:	IgG1 kappa
Specificity:	This MAb recognizes an intermediate filament protein of 46 kDa, 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, stomachand biliary tract. Breast carcinomas are generally non-reactive.
Purification:	Purified by Protein A/G

Target Details

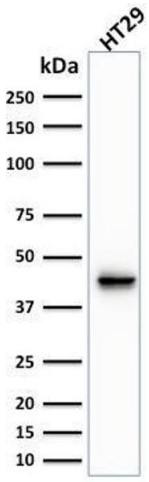
Target:	KRT20
Alternative Name:	KRT20 (KRT20 Products)
Molecular Weight:	46kDa
Gene ID:	54474
UniProt:	P35900

Application Details

Application Notes:	Positive Control: HT29 cells. Colon Carcinoma. Known Application: Western Blot (0.5-2 µg/mL),Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

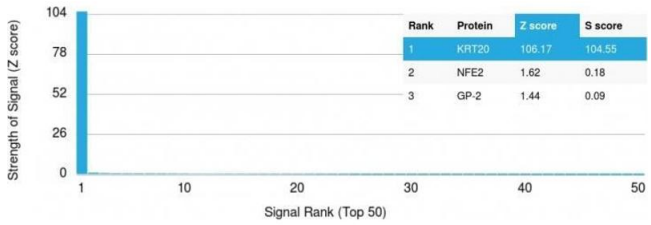
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months



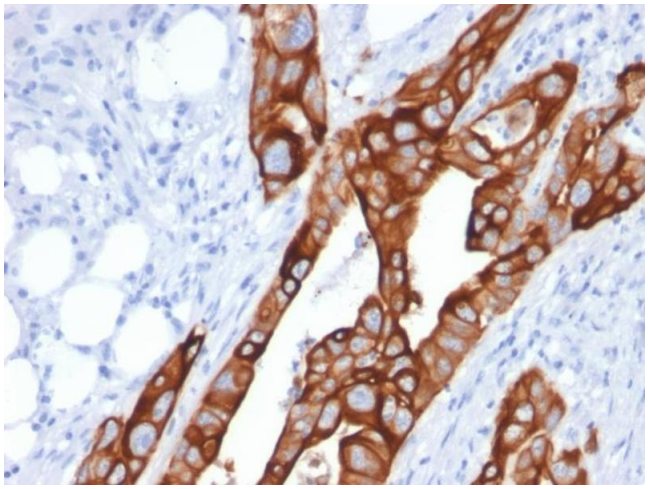
Western Blotting

Image 1. Western Blot Analysis of human HT29 cell lysate using Cytokeratin 20 (KRT20) Mouse Monoclonal Antibody (KRT20/1991).



Protein Array

Image 2. 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 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.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 20 (KRT20) Mouse Monoclonal Antibody (KRT20/1991).

Please check the product details page for more images. Overall 5 images are available for ABIN6940346.