

Rabbit anti-Human, Rat Cytokeratin 20 Monoclonal Antibody | anti-KRT20 antibody

Cytokeratin 20 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312145	Rabbit	Human, Rat	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot

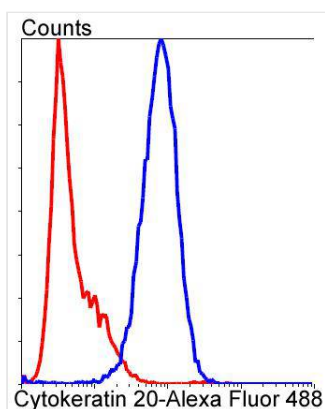
PRODUCT SYNONYMS

Cytokeratin 20; Monoclonal Antibody; Cytokeratin 20 Antibody; CD20 antibody; CK 20 antibody; CK-20 antibody; CK20 antibody; Cytokeratin-20 antibody; Cytokeratin20 antibody; K1C20_HUMAN antibody; K20 antibody; KA20 antibody; Keratin 20 antibody; keratin 20; type I antibody; keratin 21; rat; homolog of antibody; Keratin antibody; Keratin type I cytoskeletal 20 antibody; Keratin-20 antibody; Keratin20 antibody; KRT 20 antibody; KRT 21 antibody; KRT20 antibody; KRT21 antibody; MGC35423 antibody; OTTHUMP00000164518 antibody; Protein IT antibody; type I cytoskeletal 20 antibody; anti-KRT20 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Monoclonal
Clone Number	SA35-03
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-KRT20 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



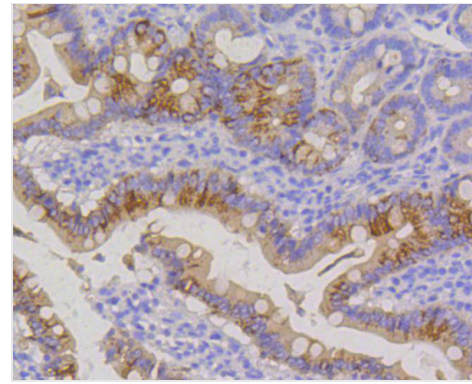
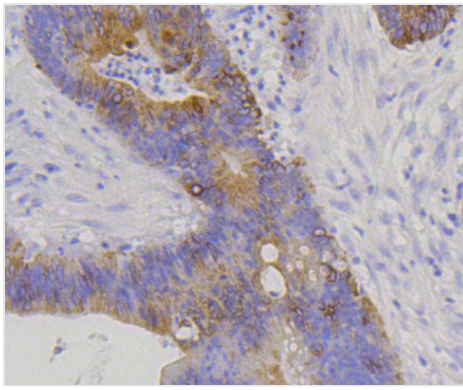
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of CRC cells with Cytokeratin 20 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



ICC (Immunocytochemistry)

ICC staining Cytokeratin 20 in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

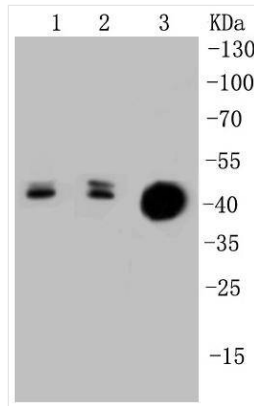


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Cytokeratin 20 antibody. Counter stained with hematoxylin.

IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat small intestine tissue using anti-Cytokeratin 20 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Cytokeratin 20 on different cell lysates using anti-Cytokeratin 20 antibody at 1/1, 000 dilution. Positive control: Lane 1: Lovo Lane 2: HCT116 Lane 3: CRC

ADDITIONAL INFORMATION

Related Product Information for anti-KRT20 antibody

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue, where they constitute up to 85% of mature keratinocytes in the vertebrate epidermis. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epi-thelial cells. The α -helical coiled-coil dimers associate laterally end-to-end to form 10 nm diameter filaments. Cytokeratins are useful markers of tissue differentiation, and in addition, they aid in the characterization of malignant tumors. Cytokeratin 20 is abundantly expressed in goblet cells and enterocytes of the gastrointestinal tract, and Cytokeratin 20 is a useful marker of pancreatic and colorectal cancer. Cytokeratin 20 is also helpful in distinguishing different types of highly related carcinomas, such as renal oncocytomas from renal cell carcinomas.

Product Categories/Family for anti-KRT20 antibody

Total protein Ab

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	48,487 Da

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; keratin-20; protein IT; cytokeratin 20; cytokeratin-20
UniProt Protein Name	Keratin, type I cytoskeletal 20
UniProt Gene Name	KRT20
UniProt Synonym Gene Names	CK-20; K20
UniProt Entry Name	K1C20_HUMAN

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-antibody-clone-sa35-03-flow-cytometry-immunoprecipitation-immunohistochemistry-immunofluorescence-immunocytochemistry-western-blot-elisa/312145>