

anti-Human Cytokeratin 20 Antibody | anti-KRT20 antibody

Anti-Cytokeratin 20 [10A2]

CATALOG # AAA72385	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
------------------------------	----------------------------	--

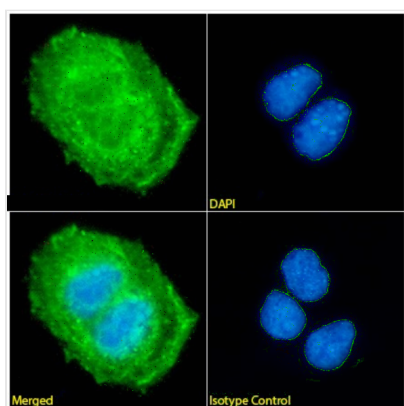
PRODUCT SYNONYMS

Cytokeratin 20; Anti-Cytokeratin 20 [10A2]; CK20; CK-20; K20; KRT20; Cytokeratin-20; Keratin-20; Keratin type I cytoskeletal 20 ;Protein IT; CGMCC NO 20764; KS20.8; anti-KRT20 antibody

PRODUCT SPECIFICATIONS

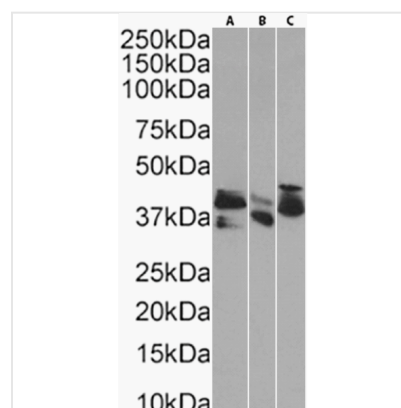
Reactivity	Human
Isotype	Rabbit IgG kappa
Clone Number	10A2
Specificity	This antibody binds human cytokeratin 20. Cytokeratins are intermediate filaments found in the intracytoplasmic cytoskeleton of epithelial tissue. There are 19 keratin polypeptides are found in human epithelium. Cytokeratin 20 plays a significant role in maintaining keratin filament organization in intestinal epithelia. When phosphorylated, it plays a role in the secretion of mucin in the small intestine.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-KRT20 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



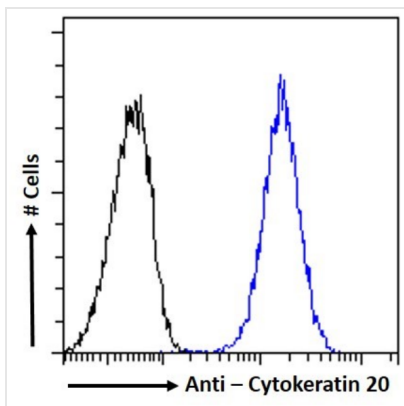
IF (Immunofluorescence)

Immunofluorescence staining of Caco-2 cells with anti-Cytokeratin 20 antibody 10A2 . Immunofluorescence analysis of paraformaldehyde fixed Caco-2 cells, permeabilized with 0.15% Triton, on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of 10A2 (AAA72385) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, AAA72385, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western blot using anti-Cytokeratin 20 antibody 10A2 . Human duodenum (A) (0.01ug/ml), ileum (B) (0.001ug/ml), and colon (C) (0.001ug/ml) tissue lysate (35ug protein in RIPA buffer) were resolved on an SDS-PAGE gel, and blots were probed with the chimeric rabbit version of 10A2 (AAA72385) at the mentioned respective concentrations before detection using an anti-rabbit secondary antibody. A primary incubation of 1 hour was used, and protein was detected by chemiluminescence.



FCM/FACS (Flow Cytometry)
 Flow cytometry using anti-Cytokeratin 20 antibody 10A2 . Paraformaldehyde fixed Caco-2 cells permeabilized with 0.5% Triton were stained with the anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of 10A2 (AAA72385, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT20 antibody	The original antibody was generated by immunizing female ICR mice with recombinant human CK20 histidine-tagged fusion protein in Freund's complete adjuvant. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format for improved compatibility with existing reagents assays and techniques.
Product Categories/Family for anti-KRT20 antibody	muscle; microfilaments; keratin; cancer; oncology

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.

