

Rabbit Keratin 5 Polyclonal Antibody | anti-KRT5 antibody

Keratin 5 Antibody

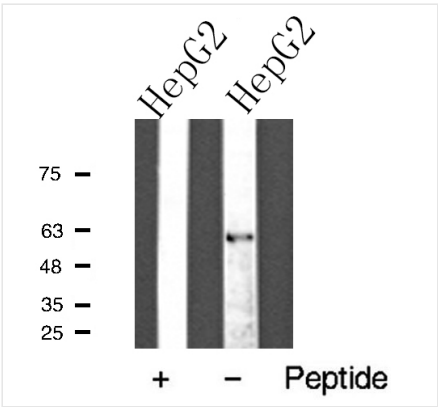
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322110	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

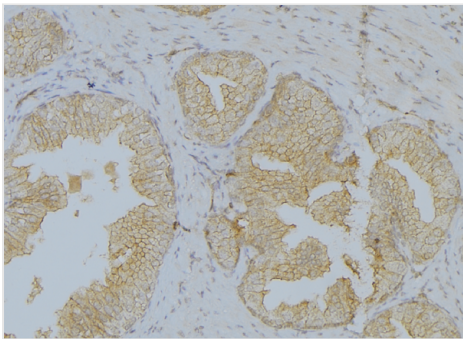
Keratin 5; Polyclonal Antibody; Keratin 5 Antibody; 58 kDa cytokeratin; CK-5; CK5; Cytokeratin-5; Cytokeratin5; DDD; DDD1; EBS2; epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types; K2C5_HUMAN; K5; keratin 5 (epidermolysis bullosa simplex; Dowling-Meara/Kobner/Weber-Cockayne types); Keratin; keratin complex 2; basic; gene 5; keratin; type II cytoskeletal 5; Keratin-5; Keratin5; KRT 5; Krt5; KRT5A; Type-II keratin Kb5; anti-KRT5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Keratin 5 antibody detects endogenous levels of total Keratin 5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	590
Applicable Applications for anti-KRT5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Keratin 5
Predicted Cross Reactivity	Bovine, Horse, Rabbit
Similarity	Bovine (100%), Horse (100%), Rabbit (93%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of Keratin 5 expression in HepG2 cell extract



IHC (Immunohistochemistry)
AAA322110 at 1/100 staining Human colon cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA322110 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT5 antibody	Description: Defects in KRT5 are a cause of epidermolysis bullosa simplex Dowling-Meara type (DM-EBS) [MIM:131760]. DM-EBS is a severe form of intraepidermal epidermolysis bullosa characterized by generalized herpetiform blistering, milia formation, dystrophic nails, and mucous membrane involvement. Function: There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa). Subunit Structure: Heterodimer of a type I and a type II keratin. Heterodimer with type I keratin KRT25 leading to the formation of keratin intermediate filament (KIF) network (PubMed:28899683). Heterodimer with KRT14 (PubMed:22705788). Interacts with TCHP (PubMed:15731013). Interacts with EPPK1 (By similarity). Similarity: Belongs to the intermediate filament family.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395754
NCBI GeneID	3852
NCBI Accession #	NP_000415.2
NCBI GenBank Nucleotide #	NM_000424.3
UniProt Accession #	P13647; Q6PI71; Q6UBJ0; Q8TA91
Molecular Weight	Observed: 62 kDa Predicted: 63 kDa

NCBI Official Full Name	keratin, type II cytoskeletal 5
NCBI Official Synonym Full Names	keratin 5
NCBI Official Symbol	KRT5
NCBI Official Synonym Symbols	K5; CK5; DDD; DDD1; EBS2; KRT5A
NCBI Protein Information	keratin, type II cytoskeletal 5
UniProt Protein Name	Keratin, type II cytoskeletal 5
UniProt Gene Name	KRT5
UniProt Synonym Gene Names	CK-5; K5

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/keratin-5-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322110>