

Rabbit KRT5/CK5/Cytokeratin 5 Polyclonal Antibody | anti-KRT5 antibody

KRT5/CK5/Cytokeratin 5 Rabbit anti-Human Polyclonal (C-Terminus) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21347	Rabbit	Mouse, Bovine, Rat, Pig, Human	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Immunohistochemistry, Western Blot

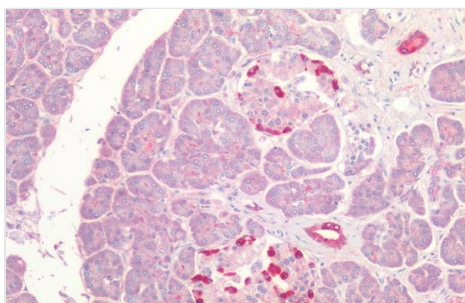
PRODUCT SYNONYMS

KRT5/CK5/Cytokeratin 5; Polyclonal Antibody; KRT5/CK5/Cytokeratin 5 Rabbit anti-Human Polyclonal (C-Terminus) Antibody; PathPlus KRT5/CK5/Cytokeratin 5 Antibody (C-Terminus); KRT5; 58 kd cytokeratin; 58 kDa cytokeratin; CK5; CK-5; Cytokeratin-5; DDD; EBS2; Keratin 5; KRT5A; Type-II keratin Kb5; Cytokeratin 5; K5; Keratin-5; anti-KRT5 antibody

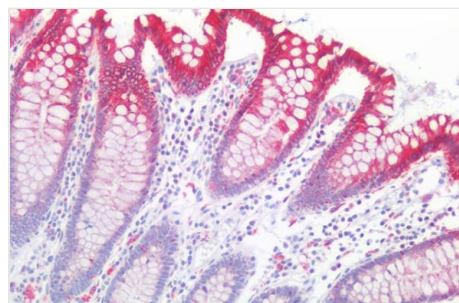
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Bovine, Rat, Pig, Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of Cytokeratin 5 protein.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, pH7.3, 0.01% Sodium Azide, 30% Glycerol
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-KRT5 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Target	Human KRT5/CK5/Cytokeratin 5
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-Terminus of human Cytokeratin 5.
Conjugation	Unconjugated
Epitope	C-Terminus
Family	Keratin
Preparation and Storage	Store at -20 degree C. Aliquot to avoid freeze/thaw cycles.

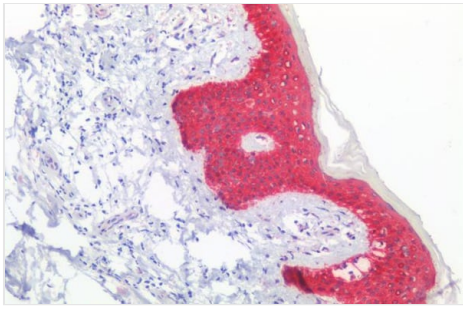
IMAGES



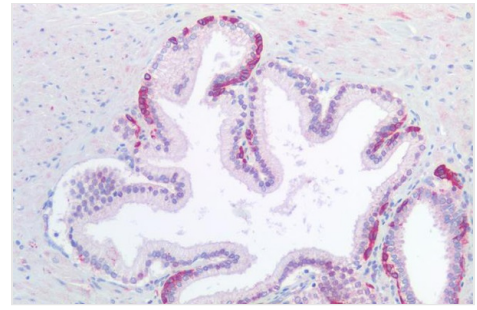
IHC (Immunohistochemistry)
KRT5/CK5/Cytokeratin 5 Antibody-Human Pancreas: Formalin-Fixed, Paraffin-Embedded (FFPE)



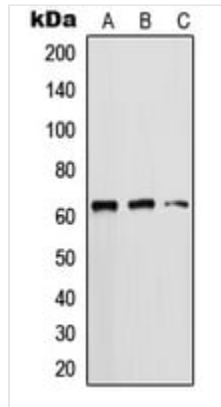
IHC (Immunohistochemistry)
KRT5/CK5/Cytokeratin 5 Antibody-Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)



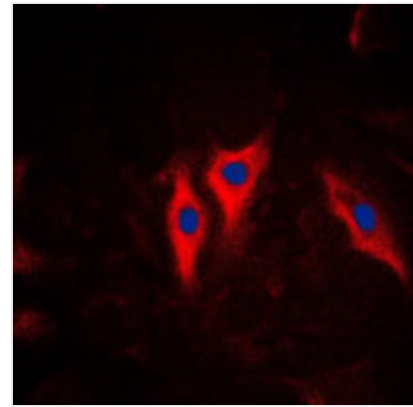
IHC (Immunohistochemistry)
KRT5/CK5/Cytokeratin 5 Antibody-Human Skin: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
KRT5/CK5/Cytokeratin 5 Antibody-Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)
KRT5/CK5/Cytokeratin 5 Antibody-Western blot analysis of Cytokeratin 5 expression in DU145 (A); HeLa (B); MCF7 (C) whole cell lysates.



ICC (Immunocytochemistry)
KRT5/CK5/Cytokeratin 5 Antibody-Immunofluorescent analysis of Cytokeratin 5 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-KRT5 antibody	Cytokeratin 5 antibody is an unconjugated rabbit polyclonal antibody to Cytokeratin 5 (KRT5/CK5)(C-Terminus) from human. It is reactive with human, mouse, rat and other species. Validated for ICC, IF, IHC and WB. KRT5 (Cytokeratin 5, CK5) is a protein that dimerizes with keratin 14 to form the intermediate filament that form the cytoskeleton of basal epithelial cells. It is useful for identifying myoepithelial cells and basal cells in the breast, skin, salivary glands, and prostate. It is present in the skin, the mucosa of the oral cavity, oropharynx, hypopharynx, and larynx, and in mitotically active basal cells of the skin. It is commonly positive in squamous carcinomas of the head and neck, as well as in mesotheliomas. Mutations in KRT5 cause epidermolysis bullosa simplex. Commonly used with Cytokeratin 6, the CK5/6 marker is useful for the identification of mesotheliomas as well as identifying the presence of basal epithelium in benign glands versus malignant prostate and breast carcinomas, where the basal layer is lost.
References	Int J Clin Exp pathol 2008 1(1):19; Histopathology 1997 31:140; J Cell Sci 1994 107(4):765

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395754
NCBI GeneID	3852
NCBI Accession #	NP_000415.2
NCBI GenBank Nucleotide #	NM_000424
UniProt Accession #	P13647; Q6PI71; Q6UBJ0; Q8TA91
Molecular Weight	62,378 Da

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; EBS2; KRT5A
NCBI Protein Information	keratin, type II cytoskeletal 5; CK-5; cytokeratin-5; 58 kda cytokeratin; type-II keratin Kb5; epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types; keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
UniProt Protein Name	Keratin, type II cytoskeletal 5
UniProt Gene Name	KRT5
UniProt Synonym Gene Names	CK-5; K5
UniProt Entry Name	K2C5_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/polyclonal/krt5-ck5-cytokeratin-5-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-immunohistochemistry-western-blot-elisa/21347>