

Rabbit Keratin 16 Polyclonal Antibody | anti-KRT16 antibody

Keratin 16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322112	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

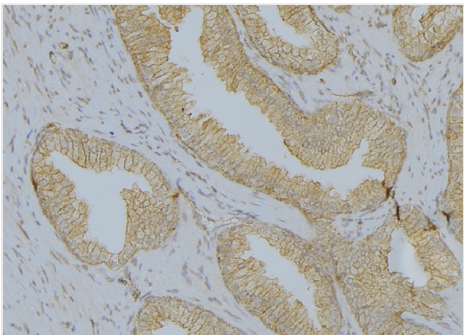
PRODUCT SYNONYMS

Keratin 16; Polyclonal Antibody; Keratin 16 Antibody; CK 16; CK-16; CK16; Cytokeratin-16; Cytokeratin16; FNEPPK; Focal non epidermolytic palmoplantar keratoderma; K 16; K16; K1C16_HUMAN; K1CP; Keratin 1 type I; Keratin; Keratin type I cytoskeletal 16; Keratin-16; Keratin16; KRT 16; Krt16; KRT16A; NEPPK; PC1; type I cytoskeletal 16; anti-KRT16 antibody

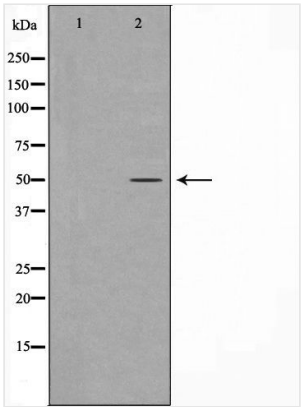
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Keratin 16 antibody detects endogenous levels of total Keratin 16
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	473
Applicable Applications for anti-KRT16 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Keratin 16
Tissue Specificity	Expressed in the hair follicle, nail bed and in mucosal stratified squamous epithelia and, suprabasally, in oral epithelium and palmoplantar epidermis. Also found in luminal cells of sweat and mammary gland ducts.
Predicted Cross Reactivity	Horse, Rabbit
Similarity	Horse (100%), Rabbit (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

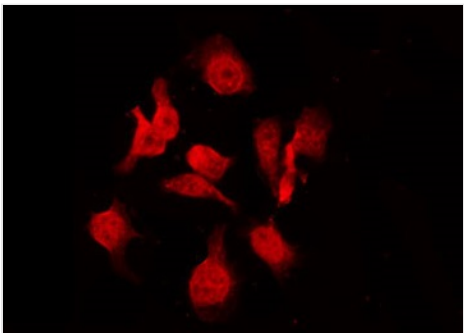
IMAGES



IHC (Immunohistochemisry)
AAA322112 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.



WB (Western Blot)
Western blot analysis of Keratin 16 expression in HepG2 cell extract. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA322112 staining sw480 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-KRT16 antibody	Description: Expressed in the hair follicle, nail bed and in mucosal stratified squamous epithelia and, suprabasally, in oral epithelium and palmoplantar epidermis. Also found in luminal cells of sweat and mammary gland ducts. Function: Epidermis-specific type I keratin that plays a key role in skin. Acts as a regulator of innate immunity in response to skin barrier breach: required for some inflammatory checkpoint for the skin barrier maintenance. Subunit Structure: Heterodimer of a type I and a type II keratin. KRT16 associates with KRT6 isomers (KRT6A or KRT6B) (By similarity). Interacts with TCHP (PubMed:15731013). Interacts with TRADD (By similarity). Similarity: Belongs to the intermediate filament family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24430192
NCBI GeneID	3868
NCBI Accession #	NP_005548.2
NCBI GenBank Nucleotide #	NM_005557.3
UniProt Accession #	P08779; P30654; Q16402; Q9UBG8; A8K488
Molecular Weight	Observed: 51 kDa Predicted: 52 kDa
NCBI Official Full Name	keratin, type I cytoskeletal 16

NCBI Official Synonym Full Names	keratin 16
NCBI Official Symbol	KRT16
NCBI Official Synonym Symbols	K16; PC1; CK16; K1CP; NEPPK; FNEPPK; KRT16A
NCBI Protein Information	keratin, type I cytoskeletal 16
UniProt Protein Name	Keratin, type I cytoskeletal 16
UniProt Gene Name	KRT16
UniProt Synonym Gene Names	KRT16A; CK-16; K16

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/keratin-16-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322112>