

Rabbit Keratin 16 Polyclonal Antibody | anti-KRT16 antibody

Keratin 16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320834	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

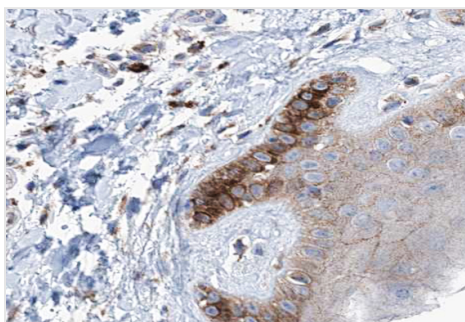
PRODUCT SYNONYMS

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

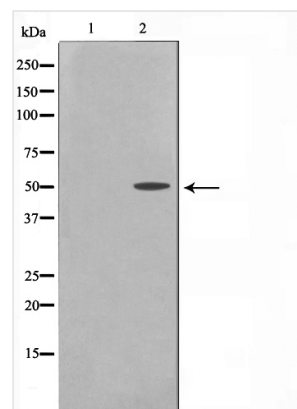
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Keratin 16 antibody detects endogenous levels of total Keratin 16
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	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	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cytokeratin 16, corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20°C.

IMAGES



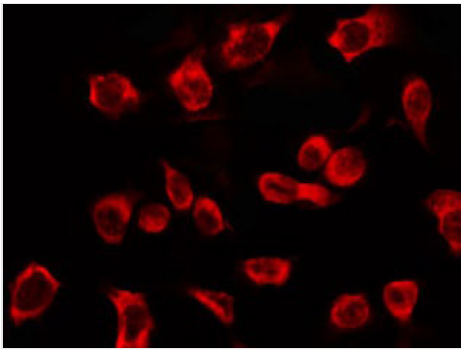
IHC (Immunohistochemistry)

AAA320834 at 1/200 staining human skin carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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 on HepG2 cell lysate using Keratin 16 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA320834 staining HepG2 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: K16 a type I cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. There are two types of cytoskeletal and microfibrillar keratin: type I (acidic; 40-55 kDa) [K9 to K20] and type II (neutral to basic; 56-70 kDa) [K1 to K8]. Both a basic and an acidic keratin are required for filament assembly. Generally associates with K6. K16 and K17 are coexpressed only in pathological situations such as metaplasias and carcinomas of the uterine cervix and in psoriasis vulgaris.
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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	50-60kD
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.