

Rabbit KRT10 Polyclonal Antibody | anti-KRT10 antibody

Anti-KRT10 Antibody, Rabbit Polyclonal

CATALOG # AAA254728	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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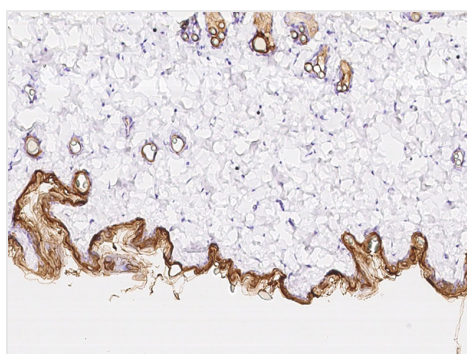
PRODUCT SYNONYMS

KRT10; Polyclonal Antibody; Anti-KRT10 Antibody; Rabbit Polyclonal; KRT10 Antibody; Rabbit PAb; Antigen Affinity Purified; keratin 10; Anti-BCIE Antibody; Anti-BIE Antibody; Anti-CK10 Antibody; Anti-EHK Antibody; Anti-K10 Antibody; Anti-KPP Antibody; anti-KRT10 antibody

PRODUCT SPECIFICATIONS

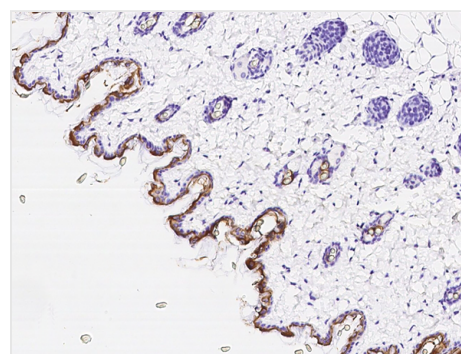
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human KRT10
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-KRT10 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human KRT10
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human KRT10, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



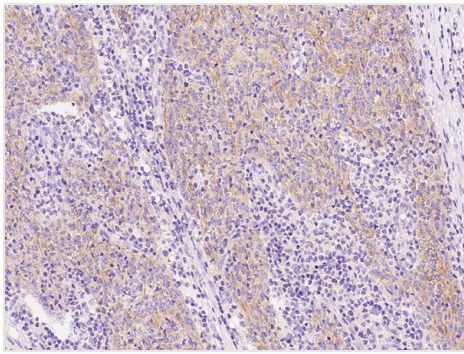
IHC (Immunohistochemistry)

Immunochemical staining KRT10 in rat skin with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



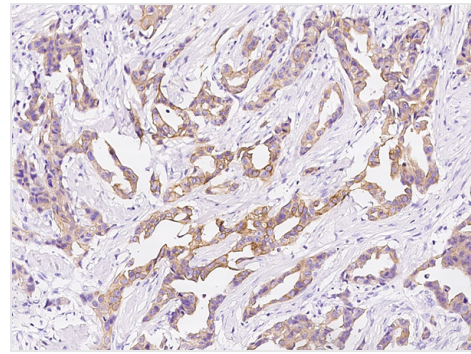
IHC (Immunohistochemistry)

Immunochemical staining KRT10 in mouse skin with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



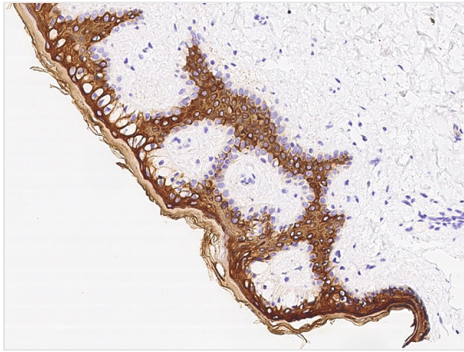
IHC (Immunohistochemistry)

Immunochemical staining KRT10 in human lung cancer with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining KRT10 in human breast carcinoma with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining KRT10 in skin with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT10 antibody	KRT10 was identified as a differently expressed protein in cisplatin-treated C13K/PTEN cells. Further study confirmed that cisplatin could induce upregulation of KRT10 mRNA and protein in C13K/PTEN cells and there was a direct interaction between KRT10 and PTEN. KRT10 is a downstream molecule of PTEN which improves cisplatin-resistance of ovarian cancer and forced KRT10 overexpression may also act as a therapeutic method for overcoming MDR in ovarian cancer. The substitution of arginine (R) to histidine (H) at amino acid residue 156 (R156H) of the coiled 1A region is one of the most frequent mutations of KRT10. Ichthyosis with confetti (IWC) is a genodermatosis caused by dominant-negative mutations in the gene encoding keratin 10 (KRT10). Recombinant adenovirus-mediated overexpression of KRT10 and PTEN may improve the cisplatin resistance of ovarian cancer in vitro and in vivo.
References	Wu H, et al. (2015) Recombinant adenovirus-mediated overexpression of pten and krt10 improves cisplatin resistance of ovarian cancer in vitro and in vivo. Genet Mol Res 14 (2): 6591-6597. Wu H, et al. (2014) Pten overexpression improves cisplatin-resistance of human ovarian cancer cells through upregulating krt10 expression. Biochem Biophys Res Commun 444 (2): 141-146. Spoerri I, et al. (2015) The phenotypic and genotypic spectra of ichthyosis with confetti plus novel genetic variation in the 3' end of krt10: From disease to a syndrome. JAMA Dermatol 151 (1): 64-69. Mayuzumi N, et al. (2000) Recurrent r156h mutation of krt10 in a japanese family with bullous congenital ichthyosiform erythroderma. J Eur Acad Dermatol Venereol 14 (4): 304-306.

NCBI AND UNIPROT INFORMATION

NCBI GI #	195972866
NCBI GeneID	3858
NCBI Accession #	NP_000412.3
NCBI GenBank Nucleotide #	NM_000421.3
UniProt Accession #	P13645; Q14664; Q8N175

Molecular Weight	58,827 Da
NCBI Official Full Name	keratin, type I cytoskeletal 10
NCBI Official Synonym Full Names	keratin 10
NCBI Official Symbol	KRT10
NCBI Official Synonym Symbols	BIE; EHK; K10; KPP; BCIE; CK10
NCBI Protein Information	keratin, type I cytoskeletal 10; CK-10; keratin-10; cytokeratin 10
UniProt Protein Name	Keratin, type I cytoskeletal 10
UniProt Gene Name	KRT10
UniProt Synonym Gene Names	KPP; CK-10; K10
UniProt Entry Name	K1C10_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.

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

Online datasheet: <https://www.aaabiotech.com/polyclonal/krt10-antibody-immunohistochemistry-elisa/254728>