

Rabbit Cytokeratin 14 Polyclonal Antibody | anti-KRT14 antibody

Anti-Cytokeratin 14 Antibody

CATALOG # AAA46731	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Cytokeratin 14; Polyclonal Antibody; Anti-Cytokeratin 14 Antibody; CK14; CK-14; CK 14; Cytokeratin14; Cytokeratin-14; Dowling Meara; EBS3; EBS4; K14; Keratin 14; Keratin; Keratin-14; Keratin14; Koebner; Krt 14; Krt14; NFJ; P02533; type I cytoskeletal 14; anti-KRT14 antibody

PRODUCT SPECIFICATIONS

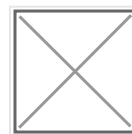
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	472
Applicable Applications for anti-KRT14 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cytokeratin 14 (446-472aa RQIRTKVMDVHDGKVVSTHEQVLRTKN), identical to the related mouse and rat sequences.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Cytokeratin 14 was detected in paraffin-embedded sections of human oesophagus squama cancer tissues using rabbit anti- Cytokeratin 14 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



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IHC (Immunohistochemistry)

Cytokeratin 14 was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti- Cytokeratin 14 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of Cytokeratin 14 expression in rat brain extract (lane 1), NIH3T3 whole cell lysates (lane 2) and HEPG2 whole cell lysates (lane 3). Cytokeratin 14 at 60KD was detected using rabbit anti- Cytokeratin 14 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT14 antibody	Rabbit IgG polyclonal antibody for Keratin, type I cytoskeletal 14(KRT14) detection. Background: Cytokeratin 14, also known as cytokeratin-14 (CK-14) or keratin-14 (KRT14), is a member of the type I keratin family of intermediate filament proteins. In humans it is encoded by the KRT14 gene. This gene product, a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex. At least one pseudogene has been identified at 17p12-p11.
References	1. Batta, K., Rugg, E. L., Wilson, N. J., West, N., Goodyear, H., Lane, E. B., Gratian, M., Dopping-Hepenstal, P., Moss, C., Eady, R. A. J. A keratin 14 'knockout' mutation in recessive epidermolysis bullosa simplex resulting in less severe disease. <i>Brit. J. Derm.</i> 143: 621-627, 2000. 2. Chan, Y., Anton-Lamprecht, I., Yu, Q.-C., Jackel, A., Zabel, B., Ernst, J.-P., Fuchs, E. A human keratin 14 'knockout': the absence of K14 leads to severe epidermolysis bullosa simplex and a function for an intermediate filament protein. <i>Genes Dev.</i> 8: 2574-2587, 1994. 3. Chen, H., Bonifas, J. M., Mstsumura, K., Ikeda, S., Leyden, W. A., Epstein, E. H. Keratin 14 gene mutations in patients with epidermolysis bullosa simplex. <i>J. Invest. Derm.</i> 105: 629-632, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15431310
NCBI GeneID	3861
NCBI Accession #	NP_000517.2
NCBI GenBank Nucleotide #	NM_000526.4
UniProt Accession #	P02533 ; Q14715 ; Q53XY3 ; Q9BUE3 ; Q9UBN2 ; Q9UBN3 ; Q9UCY4
Molecular Weight	51,561 Da
NCBI Official Full Name	keratin, type I cytoskeletal 14
NCBI Official Synonym Full Names	keratin 14
NCBI Official Symbol	KRT14
NCBI Official Synonym Symbols	K14; NFJ; CK14; EBS3; EBS4
NCBI Protein Information	keratin, type I cytoskeletal 14
UniProt Protein Name	Keratin, type I cytoskeletal 14
UniProt Gene Name	KRT14
UniProt Synonym Gene Names	CK-14; K14

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/cytokeratin-14-antibody-immunohistochemistry-western-blot-elisa/46731>