

Rabbit Cytokeratin 14/KRT14 Polyclonal Antibody | anti-KRT14 antibody

Anti-Cytokeratin 14/KRT14 Antibody, Rabbit Polyclonal

CATALOG # AAA254142	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

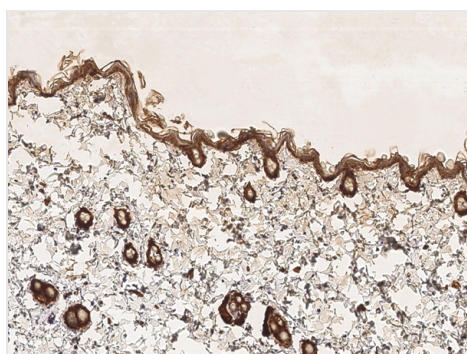
PRODUCT SYNONYMS

Cytokeratin 14/KRT14; Polyclonal Antibody; Anti-Cytokeratin 14/KRT14 Antibody; Rabbit Polyclonal; KRT14/Cytokeratin 14 Antibody; Rabbit PAb; Antigen Affinity Purified; keratin 14; type I; Anti-CK14 Antibody; Anti-EBS3 Antibody; Anti-EBS4 Antibody; Anti-K14 Antibody; Anti-NFJ Antibody; anti-KRT14 antibody

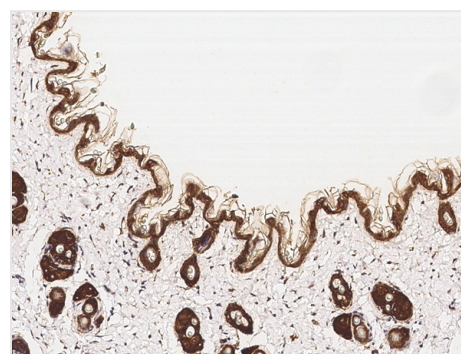
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Cytokeratin 14/KRT14
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-KRT14 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the human Cytokeratin 14
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, a synthetic peptide corresponding to the C-terminus of the human Cytokeratin 14, 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. Preservative-Free. Avoid repeated freeze-thaw cycles.

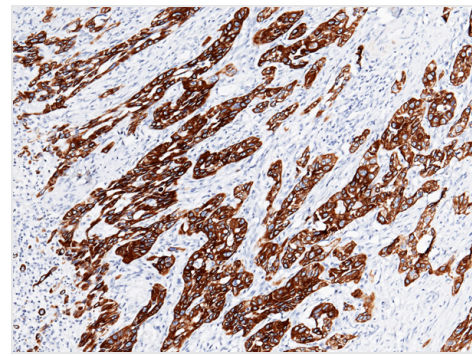
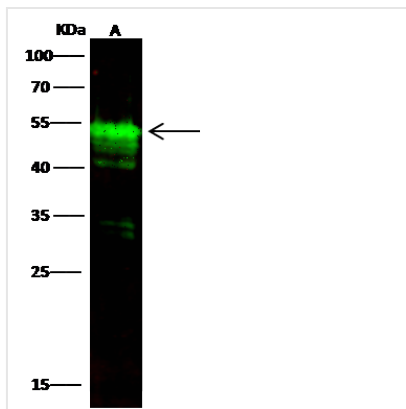
IMAGES


IHC (Immunohistochemistry)

Immunochemical staining CK14 in rat skin with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).


IHC (Immunohistochemistry)

Immunochemical staining CK14 in mouse skin with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining CK14 in human esophageal carcinoma with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

WB (Western Blot)

Anti-Cytokeratin14 rabbit polyclonal antibody at 1:500 dilution Lane A: A431 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 52 kDa Observed band size: 52 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-KRT14 antibody

Cytokeratin 14, also known as Keratin 14 and K14, is a member of the keratin family. Cytokeratin 14 is a type I keratin. It is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells. Cytokeratin 14 is mainly expressed in the basal layer. It is also strongly expressed in the outer root sheath of anagen follicles. Cytokeratin 14 and keratin 5 may have a role in the maintenance of cell proliferation potential in the basal layer of stratified epithelia, modulating phosphatidylinositol 3-kinase/Akt-mediated cell proliferation and/or Notch1-dependent cell differentiation. Cytokeratin 14 defect prevents it from working effectively with keratin 5 and interfering with the assembly of the keratin intermediate filament network. A disruption in this network makes keratinocytes fragile and prone to rupture. Minor trauma to the skin, such as rubbing or scratching, can cause these cells to break down, resulting in the formation of painful, fluid-filled blisters. Mutations in the K14 gene are also responsible for Naegeli-Franceschetti-Jadassohn syndrome and Dermatopathia Pigmentosa Reticularis.

References

Coulombe PA, et al., 1991, Cell. 66(6): 1301-11. Schweizer J, et al., 2006, 174(2): 169-74. Lugassy J, et al., 2006, Am J Hum Genet. 79(4): 724-30.

NCBI AND UNIPROT INFORMATION

NCBI GI #	229463044
NCBI GeneID	3861
UniProt Accession #	P02533; Q14715; Q53XY3; Q9BUE3; Q9UBN2; Q9UBN3; Q9UCY4
Molecular Weight	472
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; CK-14; keratin-14; cytokeratin 14; cytokeratin-14; keratin 14 (epidermolysis bullosa simplex, Dowling-Meara, Koebner)
UniProt Protein Name	Keratin, type I cytoskeletal 14
UniProt Gene Name	KRT14
UniProt Synonym Gene Names	CK-14; K14
UniProt Entry Name	K1C14_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://stage.aaabiotech.com/polyclonal/cytokeratin-14-krt14-antibody-immunohistochemistry-western-blot-elisa/254142>