

Mouse anti-Human, Rat Cytokeratin 1 Monoclonal Antibody | anti-KRT1 antibody

Cytokeratin 1 (Suprabasal Keratinocyte Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215053	Mouse	Human, Rat	Immunohistochemistry

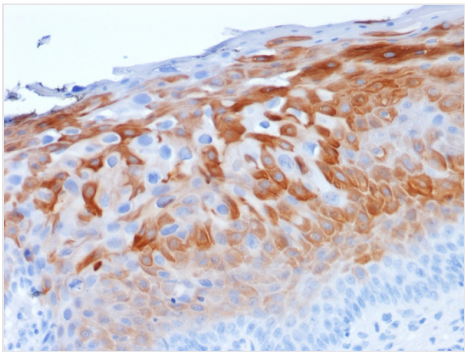
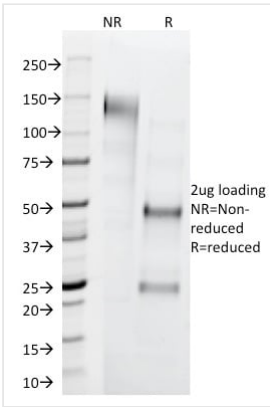
PRODUCT SYNONYMS

Cytokeratin 1; Monoclonal Antibody; Cytokeratin 1 (Suprabasal Keratinocyte Marker); 67kDa Cytokeratin; CK1; Cytokeratin-1; EHK1; Epidermolytic hyperkeratosis 1; EPPK; K1; Keratin Type II Cytoskeletal 1; Keratin-1; KRT1; KRT1A; NEPPK; Type II cytoskeletal 1; Type-II keratin Kb1; anti-KRT1 antibody

PRODUCT SPECIFICATIONS

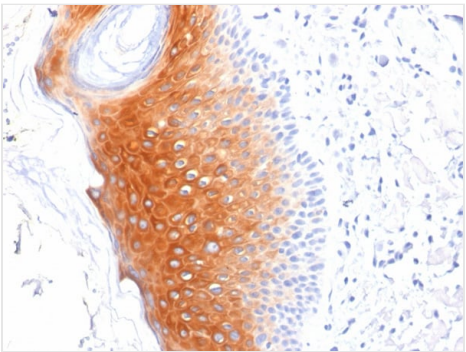
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	LHK1
Specificity	Keratins are a family of intermediate filament proteins that assemble into filaments through forming heterodimers of one type I keratin (keratins 9 to 23) and one type II keratin (keratins 1 to 8). Keratins demonstrate tissue and differentiation specific expression profiles. Cytokeratin 1 is a hetero-tetramer of two type I as well as two type II keratins, keratin-10 (KRT10). Keratin 1 is differentiation specific keratin that is one of the predominant keratins in suprabasal keratinocytes in stratified epithelia. Mutations in keratin 1 cause epidermolytic hyperkeratosis.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	644
Applicable Applications for anti-KRT1 antibody	IHC (Immunohistochemistry)
Positive Control	Skin or Cervix.
Immunogen	A 13-amino acid peptide (VRFVSTSYSGVTR) from the C-terminus of human KRT1 protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	12q13.13
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Cervix stained with Cytokeratin 1 Mouse Monoclonal Antibody (LHK1).

SDS-PAGE
SDS-PAGE Analysis Purified Cytokeratin 1 Mouse Monoclonal Antibody (LHK1). Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Skin stained with Cytokeratin 1 Mouse Monoclonal Antibody (LHK1).

ADDITIONAL INFORMATION

References	1. Machesney et al. 1998. Am J Pathol. 152(5):1133-41. 2. Waseem et al. 1999. J Invest Dermatol. 112(3):362-9. 2. Leigh et al. 1993. Br J Dermatol. 129(2):110-9. 3. Bloor et al. 2003. Am J Pathol. 162(3):963-75.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119395750
NCBI GeneID	3848
NCBI Accession #	NP_006112.3
NCBI GenBank Nucleotide #	NP_006112.3
UniProt Accession #	P04264
Molecular Weight	67kDa
NCBI Official Full Name	keratin, type II cytoskeletal 1
NCBI Official Synonym Full Names	keratin 1
NCBI Official Symbol	KRT1
NCBI Official Synonym Symbols	K1; CK1; EHK; EHK1; EPPK; KRT1A; NEPPK
NCBI Protein Information	keratin, type II cytoskeletal 1
UniProt Protein Name	Keratin, type II cytoskeletal 1

UniProt Gene Name	KRT1
UniProt Synonym Gene Names	KRTA; CK-1; K1

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/monoclonal/cytokeratin-1-antibody-clone-lhk1-immunohistochemistry-elisa/215053>