

Mouse anti-Human, Mouse Cytokeratin 10 (KRT10) Monoclonal Antibody | anti-KRT10 antibody

Cytokeratin 10 (KRT10) (Suprabasal Epithelial Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62533	Mouse	Human, Mouse	Immunohistochemistry, Western Blot

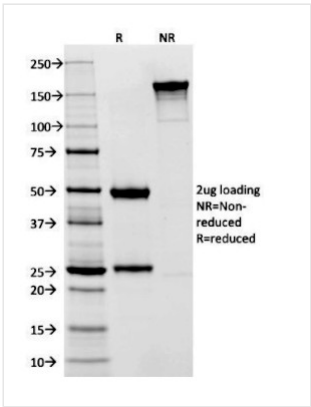
PRODUCT SYNONYMS

Cytokeratin 10 (KRT10); Monoclonal Antibody; Cytokeratin 10 (KRT10) (Suprabasal Epithelial Marker) Mouse Monoclonal Antibody; BCIE; BIE; EHK; Keratin Type I Cytoskeletal 10; KRT10; anti-KRT10 antibody

PRODUCT SPECIFICATIONS

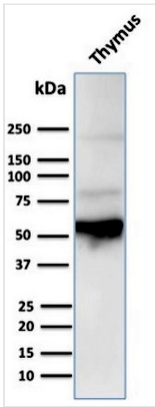
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	LH2
Specificity	This MAb recognizes a protein of 56.5kDa, identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression of CK10 strictly parallels the extent of differentiation; it is absent in the basal layer, appears in the first suprabasal layers and increases in concentration towards the granular layer. However, CK10 is rarely detected in early stages of vulvar squamous carcinomas (tumors less than 2 cm, clinical stage I) regardless of the tumor grade. In larger and more advanced tumors (greater than 2 cm, clinical stages II and III), CK10 is detected very frequently. Expression of CK10 is related to maturation of malignant keratinocytes, being preferentially detected in more-differentiated parts.
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.
Sequence Length	584
Applicable Applications for anti-KRT10 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Cellular Localization	Cytoplasmic
Immunogen	Skin extract of a human Psoriasis patient
Hu-Chromosome Location	17q21.2
Positive Control	A431, HeLa, MCF7 cells. Esophagus or tonsil.
Preparation and Storage	Antibody with azide - store at 2 to 8°C. Non-hazardous. No MSDS required.

IMAGES



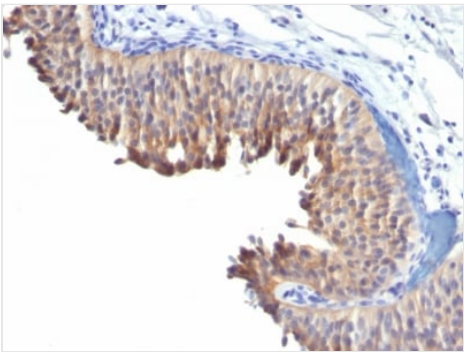
SDS-PAGE

SDS-PAGE Analysis Purified Cytokeratin 10 Mouse Monoclonal Antibody (LH2). Confirmation of Integrity and Purity of Antibody.



WB (Western Blot)

Western Blot Analysis of human Thymus tissue lysate using Cytokeratin 10 Mouse Monoclonal Antibody (LH2).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Cytokeratin 10 Monoclonal Antibody (LH2).

ADDITIONAL INFORMATION

References	Barrott JJ et al. Proc Natl Acad Sci U S A 108:12752-7 (2011) Reichelt J et al. J Cell Sci 110 (Pt 18):2175-86 (1997)
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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	56.5kDa
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
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cytokeratin-10-kr10-antibody-clone-lh2-immunohistochemistry-western-blot-elisa/62533>