

Mouse Cytokeratin 10 Monoclonal Antibody | anti-KRT10 antibody

Cytokeratin 10 (Suprabasal Epithelial Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214418	Mouse	Human, Dog, Cat. Others not known.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

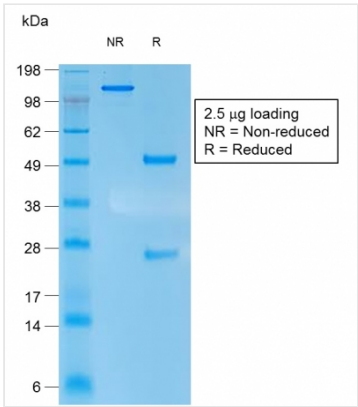
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

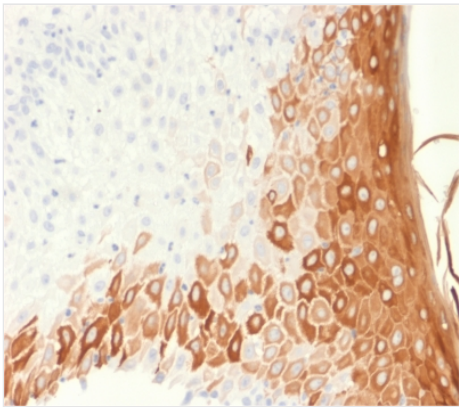
Host	Mouse
Reactivity	Human, Dog, Cat. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	rKRT10/1275
Specificity	This MAb recognizes a protein of 56.5kDa, identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression 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. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	584
Applicable Applications for anti-KRT10 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human KRT10 protein
Cellular Localization	Cytoplasmic
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 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE

SDS-PAGE Analysis of Purified Cytokeratin 10 Mouse Recombinant Monoclonal Antibody (rKRT10/1275).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human skin stained with Cytokeratin 10 Mouse Recombinant Monoclonal Antibody (rKRT10/1275).

ADDITIONAL INFORMATION

References	Ivanyi D, et. al. Differentiation, 1989, 42(2):124-9. Ivanyi D, et. al. Journal of Pathology, 1989, 159:7-12.
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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

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.