

Mouse anti-Human Cytokeratin 13 Monoclonal Antibody | anti-KRT13 antibody

Cytokeratin 13 (Non-Keratinized Squamous Epithelial Marker)

CATALOG # AAA215062	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

Cytokeratin 13; Monoclonal Antibody; Cytokeratin 13 (Non-Keratinized Squamous Epithelial Marker); CK13; Cytokeratin-13; Keratin Type I Cytoskeletal 13; Keratin-13; KRT13; Type I Cytoskeletal 13; WSN2; anti-KRT13 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	KRT13/2213
Specificity	Cytokeratin 13 (KRT13) is the major acidic keratin, which together with KRT4, its basic partner, is expressed in the suprabasal layers of non-cornified stratified epithelia including tongue mucosa, esophagus, anal canal epithelium, tracheal epithelium, uterine cervix, and urothelium. Defects in the KRT13 gene are a cause of white sponge nevus of cannon (WSN), a rare autosomal dominant disorder, which predominantly affects non-cornified stratified squamous epithelia and is characterized by the presence of soft, white and spongy plaques in the oral mucosa. KRT13 has been used as a marker for non-keratinized squamous epithelium. It is also expressed in various squamous metaplasia, but it is down regulated in squamous dysplasia and squamous carcinoma.
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	420
Applicable Applications for anti-KRT13 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence)
Positive Control	HeLa or A431 cells. Skin or Squamous cell carcinoma.
Immunogen	Recombinant full-length human KRT13 protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	17q21.2
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 13 Mouse Monoclonal Antibody (KRT13/2213). Confirmation of Purity and Integrity of Antibody.



FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of HeLa cells using Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213).

ADDITIONAL INFORMATION

References	Richard, G., et al. 1995. Keratin 13 point mutation underlies the hereditary mucosal epithelial disorder white sponge nevus. Nat. Genet. 11: 453-455.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30377
NCBI GeneID	3860
UniProt Accession #	P13646
Molecular Weight	52kDa
NCBI Official Full Name	cytokeratin 13
NCBI Official Synonym Full Names	keratin 13
NCBI Official Symbol	KRT13
NCBI Official Synonym Symbols	K13; CK13; WSN2
NCBI Protein Information	keratin, type I cytoskeletal 13
UniProt Protein Name	Keratin, type I cytoskeletal 13
UniProt Gene Name	KRT13
UniProt Synonym Gene Names	CK-13; K13

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.