

Mouse anti-Human Cytokeratin 16 (KRT16) Monoclonal Antibody | anti-KRT16 antibody

Cytokeratin 16 (KRT16) (Suprabasal Keratinocyte Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215065	Mouse	Human	Immunohistochemistry

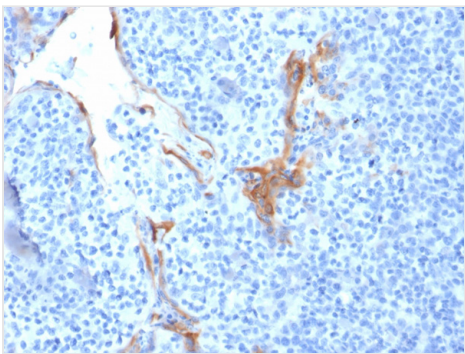
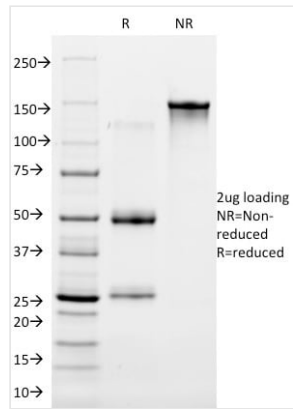
PRODUCT SYNONYMS

Cytokeratin 16 (KRT16); Monoclonal Antibody; Cytokeratin 16 (KRT16) (Suprabasal Keratinocyte Marker); CK16; Cytokeratin-16; Focal non epidermolytic palmoplantar keratoderma (FNEPPK/NEPPK); K1CP; Keratin Type I Cytoskeletal 16; Keratin-16; KRT16A; anti-KRT16 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	LL025
Specificity	Cytokeratins are a family of intermediate filament proteins that assemble into filaments through forming heterodimers of one type I Cytokeratins (Cytokeratins 9 to 23) and one type II Cytokeratins (keratins 1 to 8). The cytokeratin proteins play a critical role in differentiation, as well as tissue specialization and function, to maintain the overall structural integrity of epithelial cells. Cytokeratins are also useful markers in identifying the origin of metastatic tumors. Cytokeratin 16 is expressed in benign stratified squamous epithelium and squamous cell carcinoma of the head and neck, as well as luminal cells of mammary gland and sweat ducts. It is absent in non-invasive breast carcinomas and normal breast tissue.
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	473
Applicable Applications for anti-KRT16 antibody	IHC (Immunohistochemistry)
Positive Control	HeLa cells. Tonsil, Skin. Bladder or Cervix.
Immunogen	A synthetic peptide from the C-terminal of human Cytokeratin 16
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



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with Cytokeratin 16 Mouse Monoclonal Antibody (LL025).

SDS-PAGE
SDS-PAGE Analysis Purified Cytokeratin 16 Mouse Monoclonal Antibody (LL025).
Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	1. Porter et al. 2000. Lab Invest. 80(11):1701-10. 2. Wetzels et al. 1991. Am J Pathol. 138(3):751-63. 3. Markey et al. 1992. Br J Dermatol. 126(2):154-60.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24430192
NCBI GeneID	3868
NCBI Accession #	NP_005548.2
NCBI GenBank Nucleotide #	NP_005548.2
UniProt Accession #	P08779
Molecular Weight	48kDa
NCBI Official Full Name	keratin, type I cytoskeletal 16
NCBI Official Synonym Full Names	keratin 16
NCBI Official Symbol	KRT16
NCBI Official Synonym Symbols	K16; PC1; CK16; K1CP; NEPPK; FNEPPK; KRT16A
NCBI Protein Information	keratin, type I cytoskeletal 16
UniProt Protein Name	Keratin, type I cytoskeletal 16
UniProt Gene Name	KRT16
UniProt Synonym Gene Names	KRT16A; CK-16; K16
UniProt Entry Name	K1C16_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.