

Mouse anti-Human Cytokeratin 3 (KRT3) Monoclonal Antibody | anti-KRT3 antibody

Cytokeratin 3 (KRT3) (Corneal Epithelial Marker)

CATALOG # AAA215055	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Cytokeratin 3 (KRT3); Monoclonal Antibody; Cytokeratin 3 (KRT3) (Corneal Epithelial Marker); 65kDa cytokeratin; CK3; Cytokeratin-3; K3; Keratin type II Cytoskeletal-3; Keratin-3; KRT3; anti-KRT3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	KRT3/2130
Specificity	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins, which are arranged in pairs of heterotypic keratin chains co-expressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the corneal epithelium with family member KRT12 and mutations in these genes have been associated with Meesmann's Corneal Dystrophy.
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	628
Applicable Applications for anti-KRT3 antibody	IHC (Immunohistochemistry)
Positive Control	A431 cells. Cornea or Skin.
Immunogen	Recombinant full-length human KRT3 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



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Cytokeratin 3 Mouse Monoclonal Antibody (KRT3/2130). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE

SDS-PAGE Analysis Purified Cytokeratin 3 Mouse Monoclonal Antibody (KRT3/2130). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Skin stained with Cytokeratin 3 Mouse Monoclonal Antibody (KRT3/2130).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Ovary stained with Cytokeratin 3 Mouse Monoclonal Antibody (KRT3/2130).

ADDITIONAL INFORMATION

References	Hanson C., et al. Acta Ophthalmol. 2013 Mar;91(2):127-30.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109148552
NCBI GeneID	3850
NCBI Accession #	NP_476429.2
NCBI GenBank Nucleotide #	NP_476429.2
UniProt Accession #	P12035
Molecular Weight	65kDa
NCBI Official Full Name	keratin, type II cytoskeletal 3
NCBI Official Synonym Full Names	keratin 3
NCBI Official Symbol	KRT3
NCBI Official Synonym Symbols	K3; CK3
NCBI Protein Information	keratin, type II cytoskeletal 3
UniProt Protein Name	Keratin, type II cytoskeletal 3
UniProt Gene Name	KRT3
UniProt Synonym Gene Names	CK-3; K3
UniProt Entry Name	K2C3_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.

