

Mouse anti-Human, Mouse Cytokeratin 6B (KRT6B) Monoclonal Antibody | anti-KRT6B antibody

Cytokeratin 6B (KRT6B) (Basal Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215367	Mouse	Human, Mouse	Immunohistochemistry

PRODUCT SYNONYMS

Cytokeratin 6B (KRT6B); Monoclonal Antibody; Cytokeratin 6B (KRT6B) (Basal Cell Marker); CK6B; Keratin Type II Cytoskeletal 6B; KRT6B; anti-KRT6B antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	KRT6B/2116
Specificity	This MAb recognizes a protein of 56kDa, identified as cytokeratin 6 (CK6). In humans, multiple isoforms of Cytokeratin 6 (6A-6F), encoded by several highly homologous genes, have distinct tissue expression patterns, and Cytokeratin 6A is the dominant form in epithelial tissue. The gene encoding human Cytokeratin 6A maps to chromosome 12q13, and mutations in this gene are linked to several inheritable hair and skin pathologies. Keratins 6 and 16 are expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyper-proliferation-related keratins). Keratin 6 is found in hair follicles, suprabasal cells of a variety of internal stratified epithelia, in epidermis, in both normal and hyper-proliferative situations. Epidermal injury results in activation of keratinocytes, which express CK6 and CK16. CK6 is strongly expressed in about 75% of head and neck squamous cell carcinomas. Expression of CK6 is particularly associated with differentiation.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or 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	564
Applicable Applications for anti-KRT6B antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length Human KRT6B protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	12q13.13
Positive Control	Tonsil or Basal cell carcinoma
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 Purified Cytokeratin 6B (KRT6B) Monoclonal Antibody (KRT6B/2116).
Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human prostate stained with Cytokeratin 6B (KRT6B) Monoclonal Antibody (KRT6B/2116).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human prostate stained with Cytokeratin 6B (KRT6B) Monoclonal Antibody (KRT6B/2116).

ADDITIONAL INFORMATION

References	Wetzels RH, et. al. American Journal of Pathology, 1991, 138(3):751-63.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	238054404
NCBI GeneID	3854
UniProt Accession #	P04259
Molecular Weight	56kDa
NCBI Official Full Name	Keratin, type II cytoskeletal 6B
NCBI Official Synonym Full Names	keratin 6B
NCBI Official Symbol	KRT6B
NCBI Official Synonym Symbols	K6B; PC2; PC4; CK6B; CK-6B; KRTL1
NCBI Protein Information	keratin, type II cytoskeletal 6B
UniProt Protein Name	Keratin, type II cytoskeletal 6B
UniProt Gene Name	KRT6B
UniProt Synonym Gene Names	K6B; KRTL1; CK-6B; K6B
UniProt Entry Name	K2C6B_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.