

Mouse Cytokeratin, Basic Monoclonal Antibody | anti-KRT1 antibody

Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62597	Mouse	Human, Mouse, Rat	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

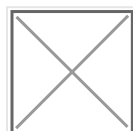
PRODUCT SYNONYMS

Cytokeratin; Basic; Monoclonal Antibody; Basic (Type II or HMW) (Epithelial Marker) Mouse Monoclonal Antibody; anti-KRT1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	SPM591
Specificity	This antibody recognizes CK1, CK5, CK10 and CK14. In normal epithelia, it stains stratified epithelia, myoepithelial cells and basal cells in the prostate gland and bronchi. This MAb shows no reactivity with hepatocytes, pancreatic acinar cells, proximal renal tubules, or endometrial glands; there is no reactivity with cells derived from simple epithelia. Mesenchymal tumors, lymphomas, melanomas, neural tumors, and neuroendocrine tumors are negative with this antibody. It stains myoepithelial cells and has been shown to be useful in distinguishing prostate adenocarcinoma from benign prostate. This antibody has also been useful in separating benign from malignant intraductal breast proliferations.
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.
Sequence Length	644
Applicable Applications for anti-KRT1 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	Solubilized keratin extract from human stratum corneum
Positive Control	PC12 cells, Skin, Prostate carcinoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin, HMW Monoclonal Antibody (SPM591).

ADDITIONAL INFORMATION

References	Moinfar F et. al. Am J Surg Pathol 1999;23(9):1048-58,2. Varma M et. al. Mod Pathol 1999;12(5):472-
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119395750
NCBI GeneID	3848
NCBI Accession #	NP_006112.3
NCBI GenBank Nucleotide #	NM_006121.3
UniProt Accession #	P04264; P85925; P86104; Q14720; Q6GSJ0; Q9H298; B2RA01
Molecular Weight	67kDa (CK1); 58kDa (CK5); 56.5kDa (CK10); 50kDa (CK14)
NCBI Official Full Name	keratin, type II cytoskeletal 1
NCBI Official Synonym Full Names	keratin 1
NCBI Official Symbol	KRT1
NCBI Official Synonym Symbols	K1; CK1; EHK; EHK1; EPPK; KRT1A; NEPPK
NCBI Protein Information	keratin, type II cytoskeletal 1
UniProt Protein Name	Keratin, type II cytoskeletal 1
UniProt Gene Name	KRT1
UniProt Synonym Gene Names	KRTA; CK-1; K1
UniProt Entry Name	K2C1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cytokeratin-basic-antibody-clone-spm591-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62597>