

Mouse Cytokeratin 17 (KRT17) Monoclonal Antibody | anti-KRT17 antibody

Cytokeratin 17 (KRT17) (Basal Epithelial Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62620	Mouse	Human, Rat, Cow, Goat, Pig	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

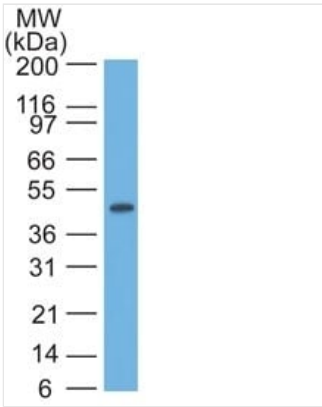
PRODUCT SYNONYMS

Cytokeratin 17 (KRT17); Monoclonal Antibody; Cytokeratin 17 (KRT17) (Basal Epithelial Marker) Mouse Monoclonal Antibody; K17; Keratin Type I Cytoskeletal 17; Keratin-17; KRT17; PCHC1; anti-KRT17 antibody

PRODUCT SPECIFICATIONS

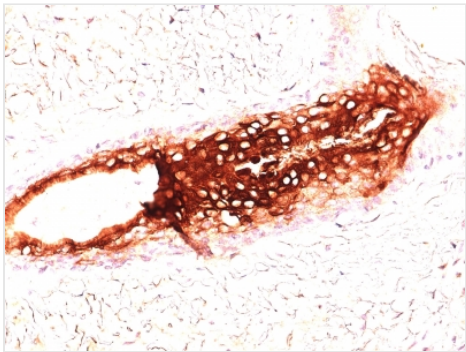
Host	Mouse
Reactivity	Human, Rat, Cow, Goat, Pig
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	SPM560
Specificity	Cytokeratin 17 (CK17) is a member of the Cytokeratin subfamily of intermediate filament proteins (IFP's). It is unique in that it is normally expressed in the basal cells of complex epithelia but not in stratified or simple epithelia. CK17 is expressed in the nail bed, hair follicle, sebaceous glands and other epidermal appendages. Antibody to CK17 is an excellent tool to distinguish myoepithelial cells from luminal epithelium of various glands such as mammary, sweat and salivary. CK17 is expressed in epithelial cells of various origins, such as bronchial epithelial cells and skin appendages. It may be considered as -epithelial stem cell- marker because CK17 Ab marks basal cell differentiation. CK17 can be useful when included in a panel of antibodies against TTF-1, napsin A, CK5&6, p63, and SOX-2 for differentiation between lung adenocarcinoma (LADC) and lung squamous cell carcinoma (SCLC), especially for poorly-differentiated lung carcinoma. CK17 is expressed in SCLC much higher than in LADC. In breast carcinomas, approximately 20% of patients show no expression of ER, PR and Her2, which are defined as triple negative tumor. Eighty-five percent of the triple negative breast carcinomas immunoreact with basal cytokeratins including anti-CK17. Also important is that cases of triple negative breast carcinoma with expression of CK17 show an aggressive clinical course. The histologic differentiation of ampullary cancer, intestinal vs. pancreatobiliary, is very important for treatment. Usually anti-CK17 and anti-MUC1 immunoreactivity represents pancreatobiliary subtype whereas anti-MUC2 and anti-CDX-2 positivity defines intestinal subtype.
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	432
Applicable Applications for anti-KRT17 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	The cytoskeletal fraction of rat colon epithelium
Hu-Chromosome Location	17q21.2
Positive Control	Skin
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



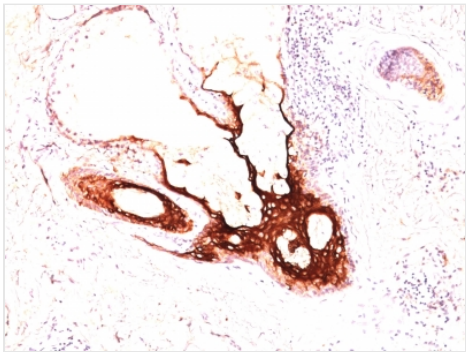
WB (Western Blot)

Western Blot of HeLa Lysate using CK17 Monoclonal Antibody (SPM560).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Skin stained with CK17 Monoclonal Antibody (SPM560).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Skin stained with CK17 Monoclonal Antibody (SPM560).

ADDITIONAL INFORMATION

References	(1) Smedts et. al. Am J Pathol 141: 497, 1992. (2) Smedts et. al. Am J Pathol 140: 601, 1992.(3) Wetzels et. al. Histopathol 20: 295, 1992
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557701
NCBI GeneID	3872
NCBI Accession #	NP_000413.1
NCBI GenBank Nucleotide #	NM_000422.2
UniProt Accession #	Q04695; Q6IP98; Q8N1P6; A5Z1M9; A5Z1N0; A5Z1N1; A5Z1N2; A6NDV6; A6NKQ2
Molecular Weight	46kDa
NCBI Official Full Name	keratin, type I cytoskeletal 17
NCBI Official Synonym Full Names	keratin 17
NCBI Official Symbol	KRT17
NCBI Official Synonym Symbols	PC; K17; PC2; 39.1; CK-17; PCHC1
NCBI Protein Information	keratin, type I cytoskeletal 17
UniProt Protein Name	Keratin, type I cytoskeletal 17

UniProt Gene Name	KRT17
UniProt Synonym Gene Names	CK-17; K17
UniProt Entry Name	K1C17_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cytokeratin-17-krt17-antibody-clone-spm560-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62620>