

Mouse Cytokeratin, pan Monoclonal Antibody | anti-KRT77 antibody

Cytokeratin, pan (Epithelial Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62765	Mouse	Human, Rat. Shows broad species reactivity	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

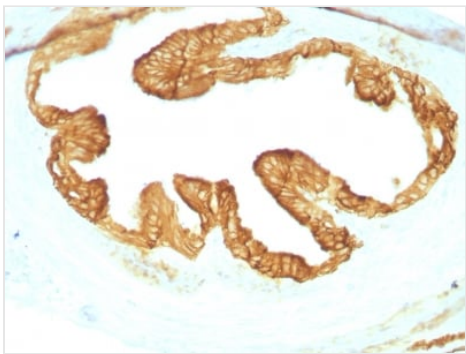
PRODUCT SYNONYMS

Cytokeratin; pan; Monoclonal Antibody; pan (Epithelial Marker) Mouse Monoclonal Antibody; anti-KRT77 antibody

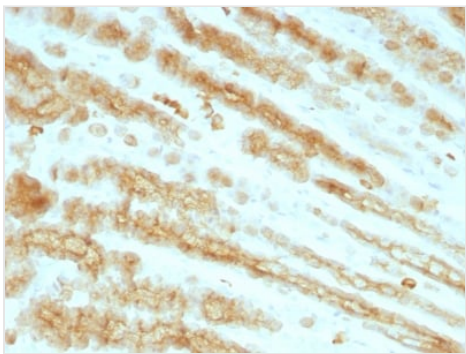
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat. Shows broad species reactivity
Clonality	Monoclonal
Isotype	IgG
Clone Number	KRTL/1077 + KRTH/1076
Specificity	Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, which include CK1, CK3, CK4, CK5, CK6, CK8, CK10, CK14, CK15, CK16, and CK19. Many studies have shown the usefulness of keratins as markers in cancer research and tumor. KRTL/KRTH is a broad spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It has been used to characterize the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and has shown high sensitivity in the recognition of epithelial cells and carcinomas.
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	578
Applicable Applications for anti-KRT77 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	Recombinant human KRT77 and KRT76 protein
Positive Control	Skin, Adeno- or Squamous carcinomas
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.

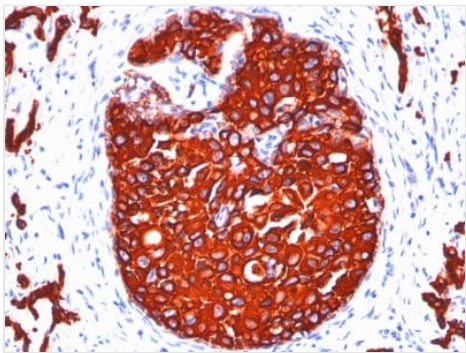
IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Rat Oviduct with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).



IHC (Immunohistochemistry)
Formalin paraffin Rat Stomach stained with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).

ADDITIONAL INFORMATION

References	Woodcock-Mitchell J et. al. Journal of Cell Biology 1982;95:580-8.,2. Tseng SCG et. al. Cell 1982; 30361
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194018511
NCBI GeneID	374454
NCBI Accession #	NP_778253.2
NCBI GenBank Nucleotide #	NM_175078.2
UniProt Accession #	Q7Z794; Q7RTS8
Molecular Weight	67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19)
NCBI Official Full Name	keratin, type II cytoskeletal 1b
NCBI Official Synonym Full Names	keratin 77
NCBI Official Symbol	KRT77
NCBI Official Synonym Symbols	K1B; KRT1B
NCBI Protein Information	keratin, type II cytoskeletal 1b
UniProt Protein Name	Keratin, type II cytoskeletal 1b
UniProt Gene Name	KRT77

UniProt Synonym Gene Names	KRT1B; CK-1B; K77
UniProt Entry Name	K2C1B_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-pan-antibody-clone-kr1l-1077-krth-1076-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62765>