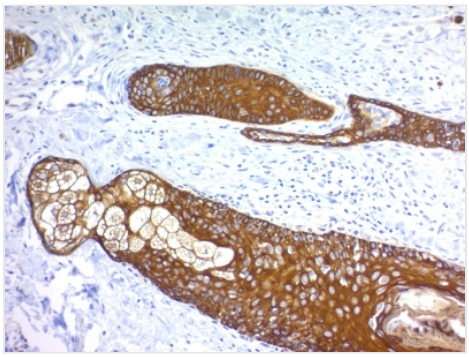
Cytokeratin, Basic (KRT76) Antibody – Mouse Monoclonal

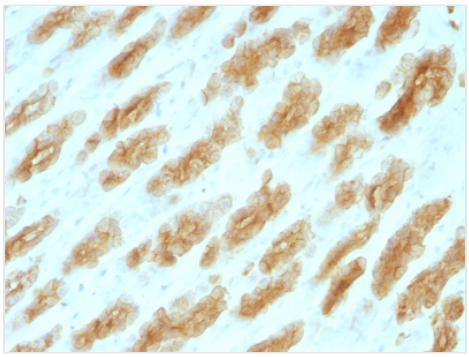
PRODUCT OVERVIEW

Product Name	Cytokeratin, Basic (KRT76), Monoclonal Antibody
Full Product Name	Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Mouse Monoclonal Antibody
Product Gene Name	anti-KRT76 antibody
Product Synonym Names	KRT2B; KRT2P; HUMCYT2A; Keratin, Type II Cytoskeletal 2 Oral; K2P; K76; CK-2P; Keratin 2p; Keratin-76; Cytokeratin 2; Cytokeratin-2P; Type-II Keratin Kb9
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	KRTH/1076
Host	Mouse
Species Reactivity	Human, Rat. Shows broad species reactivity
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.
Specificity	This MAb recognizes basic (Type II or HMW) cytokeratins, which include 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8). Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. The acidic keratins have molecular weights (MW) of 56.5, 55, 51, 50, 50, 48, 46, 45, and 40kDa. Many studies have shown the usefulness of keratins as markers in cancer research and tumor.
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.
Molecular Weight	67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8)
OMIM	616671
3D Structure	ModBase 3D Structure for Q01546
Cellular Localization	Cytoplasmic
Immunogen	Recombinant human KRT76 protein
Hu-Chromosome Location	12q13.13
Positive Control	Skin, Adenocarcinomas
Applications Tested/Suitable for anti-KRT76 antibody	ELISA (EIA), Flow Cytometry (FC/FACS), Immunofluorescence (IF), Western Blot (WB), Immunohistochemistry (IHC) Formalin
Application Notes for anti-KRT76 antibody	ELISA (For coating, order Ab without BSA) Flow Cytometry (0.5-1ug/million cells in 0.1ml) Immunofluorescence (1-2ug/ml) Western Blot (0.5-1ug/ml f) Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/ml for 30 min at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)
Related Product Information for anti-KRT76 antibody	MBS438879 is an antibody targeting KRT76. Also known as Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Mouse Monoclonal Antibody. Reactive in Human, Rat. Shows broad species reactivity. Host: Mouse.

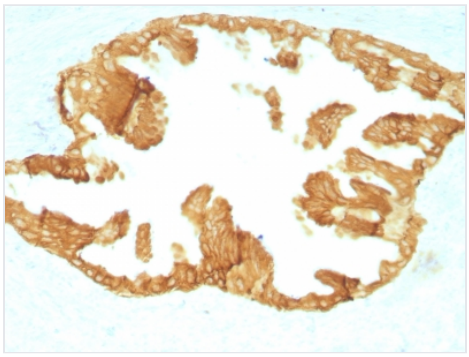
Product References and Citations for anti-KRT76 antibody	Woodock-Mitchell J et. al. Journal of Cell Biology 1982;95:580-8.,2. Tseng SCG et. al. Cell 1982; 30361
Other Notes	Small volumes of anti-KRT76 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-KRT76 antibody
Formalin paraffin human Skin stained with Cytokeratin, HMW Monoclonal Antibody (KRTH/1076).



Immunohistochemistry (IHC) of anti-KRT76 antibody
Formalin paraffin Rat Stomach stained with Cytokeratin, HMW Monoclonal Antibody (KRTH/1076).



Immunohistochemistry (IHC) of anti-KRT76 antibody
Formalin paraffin Rat Oviduct with Cytokeratin, HMW Monoclonal Antibody (KRTH/1076).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRT76. It may not necessarily be applicable to this product.

NCBI GI #	153791670
NCBI GeneID	51350
NCBI Accession #	NP_056932.2
UniProt Primary Accession #	Q01546
UniProt Secondary Accession #	Q7Z795; B4DRR3
UniProt Related Accession #	Q01546
GenBank Nucleotide #	NM_015848.4
NCBI Official Full Name	keratin, type II cytoskeletal 2 oral
NCBI Official Synonym Full Names	keratin 76
NCBI Official Symbol	KRT76
NCBI Official Synonym Symbols	KRT2B; KRT2P; HUMCYT2A
UniProt Protein Name	Keratin, type II cytoskeletal 2 oral
UniProt Synonym Protein Names	Cytokeratin-2P; CK-2P; K2P; Keratin-76; K76; Type-II keratin Kb9

Protein Family	Keratin
UniProt Gene Name	KRT76
UniProt Synonym Gene Names	KRT2B; KRT2P; CK-2P; K2P; K76
UniProt Entry Name	K22O_HUMAN
NCBI Protein Information	keratin, type II cytoskeletal 2 oral
NCBI Summary for KRT76	Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. The type II keratins are clustered in a region of chromosome 12q13. [provided by RefSeq, Jun 2009]
UniProt Comments for KRT76	K76: a type II cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. There are two types of cytoskeletal and microfibrillar keratin: type I (acidic; 40-55 kDa) [K9 to K20] and type II (neutral to basic; 56-70 kDa) [K1 to K8]. Both a basic and an acidic keratin are required for filament assembly. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 12q13.13 Cellular Component: nucleus
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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