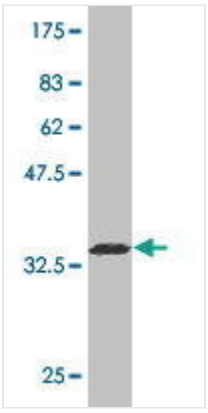
SEPT9 Antibody – Mouse Monoclonal

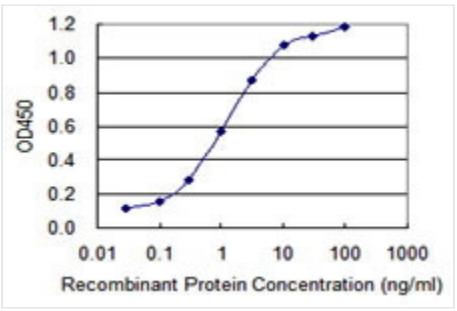
PRODUCT OVERVIEW

Product Name	SEPT9, Monoclonal Antibody
Full Product Name	SEPT9 (Septin-9, MLL Septin-like Fusion Protein MSF-A, MLL Septin-like Fusion Protein, Ovarian/Breast Septin, Ov/Br Septin, Septin D1, KIAA0991, MSF)
Product Gene Name	anti-SEPT9 antibody
Product Synonym Names	Anti -SEPT9 (Septin-9, MLL Septin-like Fusion Protein MSF-A, MLL Septin-like Fusion Protein, Ovarian/Breast Septin, Ov/Br Septin, Septin D1, KIAA0991, MSF)
Immunogen Sequence	PRRVQTPLLR ATVASSTQKF QDLGVKNSEP SARHVDSLSQ RSPKASLRRV ELSGPKAAEP VSRRTELSID ISSKQVENAG AIGPSRFGLK RAEVLGHKTP
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2C6
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human SEPT9.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	65,401 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (75277492..75496678). Location: 17q25
OMIM	162100
3D Structure	ModBase 3D Structure for Q9UHD8
Immunogen	Partial recombinant corresponding to aa26-125 from human SEPT9 (AAH21192) with GST tag. MW of the GST tag alone is 26kD.
Product Categories/Family for anti-SEPT9 antibody	Antibodies; Abs to Proteins
Applications Tested/Suitable for anti-SEPT9 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-SEPT9 antibody	Suitable for use in ELISA and Western Blot.
Related Product Information for anti-SEPT9 antibody	Filament-forming cytoskeletal GTPase. May play a role in cytokinesis. May play a role in the internalization of 2 intracellular microbial pathogens, Listeria monocytogenes and Shigella flexneri.
Other Notes	Small volumes of anti-SEPT9 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.

Searchable Terms for SEPT9 purchase	MBS6001769 is an antibody targeting SEPT9. Also known as SEPT9 (Septin-9, MLL Septin-like Fusion Protein MSF-A, MLL Septin-like Fusion Protein, Ovarian/Breast Septin, Ov/Br Septin, Septin D1, KIAA0991, MSF). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-SEPT9 antibody
Western Blot detection against Immunogen (37kD).



Testing Data of anti-SEPT9 antibody
Detection limit for recombinant GST tagged SEPT9 is 0.03ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SEPT9. It may not necessarily be applicable to this product.

NCBI GI #	164698504
NCBI GeneID	10801
NCBI Accession #	NP_001106968.1
UniProt Primary Accession #	Q9UHD8
UniProt Secondary Accession #	Q96QF3; Q96QF4; Q96QF5; Q9HA04; Q9UG40; A8K2V3; B3KPM0; B4DTL9; B4E0N2; B4E274; B7Z654
UniProt Related Accession #	Q9UHD8
GenBank Nucleotide #	NM_001113496.1
NCBI Official Full Name	septin-9 isoform f
NCBI Official Synonym Full Names	septin 9
NCBI Official Symbol	SEPT9
NCBI Official Synonym Symbols	MSF; MSF1; NAPB; SINT1; PNUTL4; SeptD1; AF17q25
UniProt Protein Name	Septin-9
UniProt Synonym Protein Names	MLL septin-like fusion protein MSF-A; MLL septin-like fusion protein; Ovarian/Breast septin; Ov/Br septin; Septin D1
UniProt Gene Name	SEPT9
UniProt Synonym Gene Names	KIAA0991; MSF; MLL septin-like fusion protein
UniProt Entry Name	SEPT9_HUMAN
NCBI Protein Information	septin-9; septin D1; Ov/Br septin; ovarian/breast septin; MLL septin-like fusion protein MSF-A
NCBI Summary for SEPT9	This gene is a member of the septin family involved in cytokinesis and cell cycle control. This gene is a candidate for the ovarian tumor suppressor gene. Mutations in this gene cause hereditary neuralgic amyotrophy, also known as neuritis with brachial predilection. A chromosomal translocation involving this gene on chromosome 17 and the MLL gene on chromosome 11 results in acute myelomonocytic leukemia. Multiple alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Mar 2009]

UniProt Comments for SEPT9	SEPT9: a member of a family of novel GTP binding proteins that have been implicated in cytokinesis and exocytosis. This family include the cell division control proteins CDC3, CDC10, CDC11. Required for the completion of cytokinesis and suggest a role that is distinct from that of Nedd5. Protein type: Hydrolase; Cytoskeletal; Cell cycle regulation Chromosomal Location of Human Ortholog: 17q25 Cellular Component: microtubule; perinuclear region of cytoplasm; cytoplasm; stress fiber; actin cytoskeleton Molecular Function: GTPase activity; protein binding; GTP binding Biological Process: metabolic process; protein heterooligomerization; cell division; cell cycle Disease: Amyotrophy, Hereditary Neuralgic
Research Articles on SEPT9	**1.** The identification of a SEPT9 mutation in a neonate with respiratory distress due to vocal cord paralysis expands the differential diagnosis in these patients.
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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Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/sept9/6001769