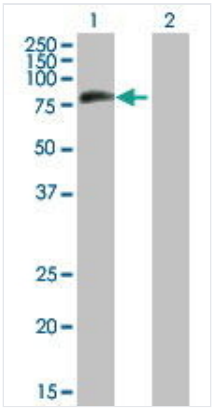
MTMR9 Antibody – Mouse Polyclonal

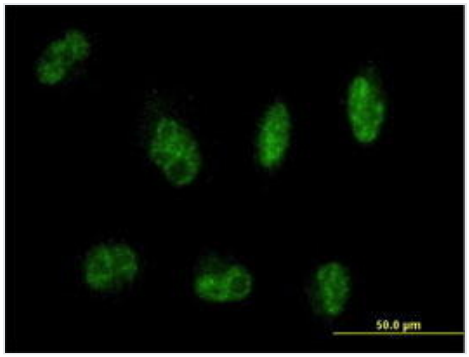
PRODUCT OVERVIEW

Product Name	MTMR8 (MTMR9), Polyclonal Antibody
Full Product Name	MTMR8 (Myotubularin-related Protein 8, FLJ20126)
Product Gene Name	anti-MTMR9 antibody
Product Synonym Names	Anti -MTMR8 (Myotubularin-related Protein 8, FLJ20126)
Immunogen Sequence	MDHITVPKVE NVKLVDRYVS KKPANGILYL TATHLIYVEA SGAARKETWI ALHHIATVEK LPITSLGCPL TLRCKNFRVA HFVLDSDLVC HEVYISLLKL SQPALPEDLY AFSYNPKSSK EMRESGWKLI DPISDFGRMG IPNRNWTITD ANRNYEICST YPPEIVVPKS VTLGTVVGSS KFRSKERVPV LSYLYKENNA AICRCSQPLS GFYTRCVDDE LLLEAISQTN PGSQFMYVVD TRPKLNAMAN RAAGKGYENE DNYANIRFRF MGIENIHVMR SSLQKLLEVC ELKTPTMSEF LSGLESSGWL RHIKAIMDAG IFITKAVKVE KASVLVHCSD GWDRTAQVCS VASILLDPFY RTFKGLMILI EKEWISMGHK FSQRCGHLDG DSKEVSPIFT QFLDCIWQLM EQFPCAFEFN ENFLLEIHDH VFSCQFGNFL GNCQKDREDL RVYEKTHSVW PFLVQRKPDF RNPLYKGFTM YGVLNPSTVP YNIQFWCGMY NRFDKGLQPK QSMLESLLEI KKQRAMLETD VHELEKKLKV RDEPPEEICT CSQLGNILSQ HLGSPLTNPL GFMGINGDLN TLMENGTLSR EGGLRAQMDQ VKSQGADLHH NCCEIVGSLR AINISGDVGI SEAMGISGDM CTFEATGFSK DLGICGAMDI SEATGISGNL GISEARGFSG DMGILGDTGI SKASTKEADY SKHQ
Clonality	Polyclonal
Isotype	IgG
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 MTMR8.
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	63,462 Da
Chromosome Location	Chromosome: 8; NC_000008.10 (11142000..11185655). Location: 8p23-p22
OMIM	606260
3D Structure	ModBase 3D Structure for Q96QG7
Immunogen	Full length human MTMR8, aa1-704 (NP_060147.2).
Product Categories/Family for anti-MTMR9 antibody	Antibodies; Abs to Proteins
Applications Tested/Suitable for anti-MTMR9 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-MTMR9 antibody	Suitable for use in Immunofluorescence and Western Blot. Dilution: Immunofluorescence: 10ug/ml

Related Product Information for anti-MTMR9 antibody	MTMR8 is a myotubularin-related protein that is atypical to most other members of the myotubularin-related protein family because it has no dual-specificity phosphatase domain. The encoded protein contains a double-helical motif similar to the SET interaction domain, which is thought to have a role in the control of cell proliferation. In mouse, a protein similar to the encoded protein binds with MTMR7, and together they dephosphorylate phosphatidylinositol 3-phosphate and inositol 1,3-bisphosphate.
Other Notes	Small volumes of anti-MTMR9 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 MTMR9 purchase	MBS6002246 is an antibody targeting MTMR9. Also known as MTMR8 (Myotubularin-related Protein 8, FLJ20126). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-MTMR9 antibody
Western Blot analysis of MTMR8 expression in transfected 293T cell line by MTMR8 polyclonal antibody. Lane 1: MTMR8 transfected lysate (77.44kD). Lane 2: Non-transfected lysate.



Immunofluorescence (IF) of anti-MTMR9 antibody
Immunofluorescence of purified antibody to MTMR8 on HepG2 cell. [antibody concentration 10ug/ml].

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTMR9. It may not necessarily be applicable to this product.

NCBI GI #	19923424
NCBI GeneID	66036
NCBI Accession #	NP_056273.2
UniProt Primary Accession #	Q96QG7
UniProt Secondary Accession #	Q52LU3; Q8WW11; Q96QG6; Q9NX50
UniProt Related Accession #	Q96QG7
GenBank Nucleotide #	NM_015458.3
NCBI Official Full Name	myotubularin-related protein 9
NCBI Official Synonym Full Names	myotubularin related protein 9
NCBI Official Symbol	MTMR9
NCBI Official Synonym Symbols	MTMR8; C8orf9; LIP-STYX
UniProt Protein Name	Myotubularin-related protein 9
UniProt Gene Name	MTMR9
UniProt Synonym Gene Names	C8orf9; MTMR8
UniProt Entry Name	MTMR9_HUMAN
NCBI Protein Information	myotubularin-related protein 9; myotubularin related protein 8

NCBI Summary for MTMR9	This gene encodes a myotubularin-related protein that is atypical to most other members of the myotubularin-related protein family because it has no dual-specificity phosphatase domain. The encoded protein contains a double-helical motif similar to the SET interaction domain, which is thought to have a role in the control of cell proliferation. In mouse, a protein similar to the encoded protein binds with MTMR7, and together they dephosphorylate phosphatidylinositol 3-phosphate and inositol 1,3-bisphosphate. [provided by RefSeq, Jul 2008]
UniProt Comments for MTMR9	MTMR9: Probable pseudophosphatase. Contains a Gly residue instead of a conserved Cys residue in the dsPTPase catalytic loop which renders it catalytically inactive as a phosphatase (Potential). Belongs to the protein-tyrosine phosphatase family. Non-receptor class myotubularin subfamily. Protein type: Protein phosphatase, tyrosine (non-receptor); Protein phosphatase, regulatory subunit Chromosomal Location of Human Ortholog: 8p23-p22 Cellular Component: cytoplasm Molecular Function: protein binding; phosphoric monoester hydrolase activity; enzyme regulator activity Biological Process: dephosphorylation; regulation of catalytic activity
Research Articles on MTMR9	**1.** Our data suggest that genetic variations in the FTO, SCG3 and MTMR9 genes independently influence the risk of metabolic syndrome.
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