MTMR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MTMR1, Polyclonal Antibody
Full Product Name	MTMR1 Polyclonal Antibody
Product Gene Name	anti-MTMR1 antibody
Product Synonym Names	Myotubularin-related protein 1; Phosphatidylinositol-3; 5-bisphosphate 3-phosphatase; 3.1.3.95; Phosphatidylinositol-3-phosphate phosphatase; 3.1.3.64; MTMR1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Rat, Pig
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	63,330 Da
OMIM	300171
3D Structure	ModBase 3D Structure for Q13613
Applications Tested/Suitable for anti-MTMR1 antibody	Immunohistochemistry-Paraffin (IHC-P), Immunohistochemistry-Frozen (IHC-F), Immunofluorescence (IF), Immunocytochemistry (ICC)
Related Product Information for anti-MTMR1 antibody	MBS9236453 is an antibody targeting MTMR1. Also known as MTMR1 Polyclonal Antibody. Reactive in Rat, Pig. Host: Rabbit.
Other Notes	Small volumes of anti-MTMR1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTMR1. It may not necessarily be applicable to this product.

NCBI GI #	28872761
NCBI GeneID	8776
NCBI Accession #	NP_003819.1
UniProt Primary Accession #	Q13613
UniProt Secondary Accession #	Q9UBX6; Q9UEM0; Q9UQD5; A0A024RC07
UniProt Related Accession #	Q13613
GenBank Nucleotide #	NM_003828.2
NCBI Official Full Name	myotubularin-related protein 1
NCBI Official Synonym Full Names	myotubularin related protein 1
NCBI Official Symbol	MTMR1

UniProt Protein Name	Myotubularin-related protein 1
UniProt Synonym Protein Names	Phosphatidylinositol-3-phosphate phosphatase
UniProt Gene Name	MTMR1
UniProt Entry Name	MTMR1_HUMAN
NCBI Protein Information	myotubularin-related protein 1; phosphatidylinositol-3-phosphate phosphatase
NCBI Summary for MTMR1	This gene encodes a member of the myotubularin related family of proteins. Members of this family contain the consensus sequence for the active site of protein tyrosine phosphatases. Alternatively spliced variants have been described but their biological validity has not been determined. [provided by RefSeq, Jul 2008]
UniProt Comments for MTMR1	MTMR1: Lipid phosphatase that acts on phosphatidylinositol 3- phosphate and phosphatidylinositol (3,5)-bisphosphate. Belongs to the protein-tyrosine phosphatase family. Non-receptor class myotubularin subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.1.3.64; Carbohydrate Metabolism - fructose and mannose; Protein phosphatase, tyrosine (non-receptor); Phosphatase, lipid; Motility/polarity/chemotaxis; Cofactor and Vitamin Metabolism - thiamine; Cofactor and Vitamin Metabolism - riboflavin Chromosomal Location of Human Ortholog: Xq28 Cellular Component: cytoplasm; plasma membrane; cytosol Molecular Function: phosphatidylinositol-3-phosphatase activity; protein tyrosine phosphatase activity Biological Process: phospholipid metabolic process; phosphatidylinositol biosynthetic process; phosphoinositide dephosphorylation
Research Articles on MTMR1	**1.** an aberrant MTMR1 expression and signs of altered myofiber maturation were documented in both DM1 and in DM2 muscle tissues.
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