MTMR4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MTMR4, Polyclonal Antibody
Full Product Name	MTMR4, ID (MTMR4, KIAA0647, ZFYVE11, Myotubularin-related protein 4, FYVE domain-containing dual specificity protein phosphatase 2, Zinc finger FYVE domain-containing protein 11) (MaxLight 750)
Product Gene Name	anti-MTMR4 antibody
Product Synonym Names	MTMR4; KIAA0647; ZFYVE11; Myotubularin-related protein 4; FYVE domain-containing dual specificity protein phosphatase 2; Zinc finger FYVE domain-containing protein 11
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Chromosome Location	Chromosome: 17; NC_000017.10 (56566893..56595251, complement). Location: 17q22-q23
OMIM	603559
3D Structure	ModBase 3D Structure for Q9NYA4
Immunogen	MTMR4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 694-723 amino acids from the Central region of human MTMR4.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-MTMR4 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-MTMR4 antibody	Western Blot (WB), FLISA
Application Notes for anti-MTMR4 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MTMR4 antibody	Dephosphorylates proteins phosphorylated on Ser, Thr, and Tyr residues and low molecular weight phosphatase substrate para-nitrophenylphosphate. Phosphorylates phosphatidylinositol 3,4,5-trisphosphate (PIP3).
Product References and Citations for anti-MTMR4 antibody	Yu, J., et al. J. Biol. Chem. 285(11):8454-8462(2010). Dolley, G., et al. Mol. Genet. Metab. 97(2):149-154(2009). Plant, P.J., et al. Biochem. J. 419(1):57-63(2009). Colland, F., et al. Genome Res. 14(7):1324-1332(2004). Zhao, R., et al. Exp. Cell Res. 265(2):329-338(2001).
Other Notes	Small volumes of anti-MTMR4 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 MTMR4 purchase	MBS6322822 is an antibody targeting MTMR4. Also known as MTMR4, ID (MTMR4, KIAA0647, ZFYVE11, Myotubularin-related protein 4, FYVE domain-containing dual specificity protein phosphatase 2, Zinc finger FYVE domain-containing protein 11) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTMR4. It may not necessarily be applicable to this product.

NCBI GI #	217272865
NCBI GeneID	9110
NCBI Accession #	NP_004678.3
UniProt Primary Accession #	Q9NYA4
GenBank Nucleotide #	NM_004687.4
NCBI Official Full Name	myotubularin related protein 4
NCBI Official Synonym Full Names	myotubularin related protein 4
NCBI Official Symbol	MTMR4
NCBI Official Synonym Symbols	ZFYVE11; KIAA0647; FYVE-DSP2
UniProt Protein Name	Myotubularin-related protein 4
UniProt Synonym Protein Names	FYVE domain-containing dual specificity protein phosphatase 2; FYVE-DSP2; Zinc finger FYVE domain-containing protein 11
Protein Family	Myotubularin-related protein
UniProt Gene Name	MTMR4
UniProt Synonym Gene Names	KIAA0647; ZFYVE11; FYVE-DSP2
UniProt Entry Name	MTMR4_HUMAN
NCBI Protein Information	myotubularin related protein 4; zinc finger, FYVE domain containing 11
Research Articles on MTMR4	**1.** MTMR4 localizes at the interface of early and recycling endosomes to regulate trafficking.
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