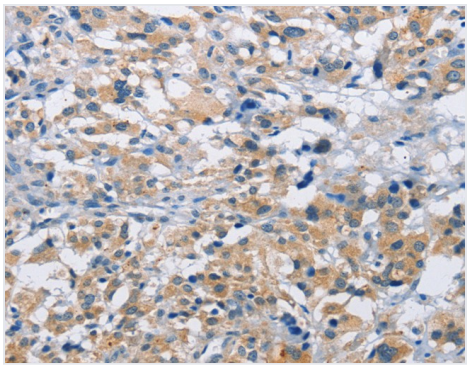
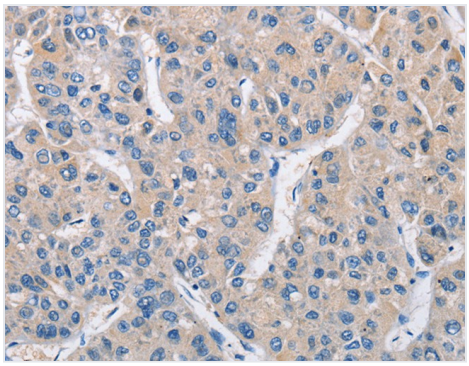
MTMR4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MTMR4, Polyclonal Antibody
Full Product Name	MTMR4 Polyclonal Antibody
Product Gene Name	anti-MTMR4 antibody
Product Synonym Names	ZFYVE11; FYVE-DSP2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	0.7mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	133,353 Da
OMIM	603559
Immunogen	Recombinant protein of human MTMR4
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MTMR4 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-MTMR4 antibody	IHC: 1:15-1:50
Related Product Information for anti-MTMR4 antibody	MTMR4(myotubularin-related protein-4) cDNA and cDNAs encoding 3 other novel members of the myotubularin protein family. Dephosphorylates proteins phosphorylated on Ser, Thr, and Tyr residues and low molecular weight phosphatase substrate para-nitrophenylphosphate. Phosphorylates phosphatidylinositol 3, 4, 5-trisphosphate (PIP3).
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	MBS2526035 is an antibody targeting MTMR4. Also known as MTMR4 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-MTMR4 antibody
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MTMR4 Polyclonal Antibody at dilution 1:15



Immunohistochemistry (IHC) of anti-MTMR4 antibody
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using MTMR4 Polyclonal Antibody at dilution 1:15

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 Secondary Accession #	Q8IV27; Q9Y4D5; D3DTZ6
UniProt Related 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; 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; FYVE domain-containing dual specificity protein phosphatase 2; zinc finger FYVE domain-containing protein 11; zinc finger, FYVE domain containing 11

UniProt Comments for MTMR4	MTMR4: Dephosphorylates proteins phosphorylated on Ser, Thr, and Tyr residues and low molecular weight phosphatase substrate para-nitrophenylphosphate. Phosphorylates phosphatidylinositol 3,4,5-trisphosphate (PIP3). Belongs to the protein-tyrosine phosphatase family. Non-receptor class myotubularin subfamily. Protein type: Protein phosphatase, tyrosine (non-receptor); Protein phosphatase, dual-specificity; EC 3.1.3.48; Phosphatase, lipid; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 17q22 Cellular Component: extracellular space; early endosome membrane; cytosol Molecular Function: protein binding; metal ion binding; protein tyrosine phosphatase activity; protein serine/threonine phosphatase activity Biological Process: transforming growth factor beta receptor signaling pathway; phospholipid metabolic process; phosphatidylinositol biosynthetic process; response to denervation involved in regulation of muscle adaptation; protein amino acid dephosphorylation; negative regulation of transforming growth factor beta receptor signaling pathway
Research Articles on MTMR4	**1.** MTMR4 is a necessary negative modulator for the homeostasis of BMP/Dpp signaling
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/mtmr4/2526035