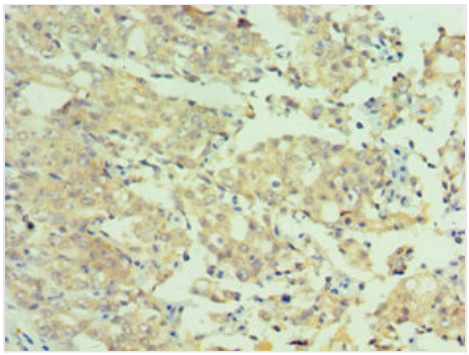
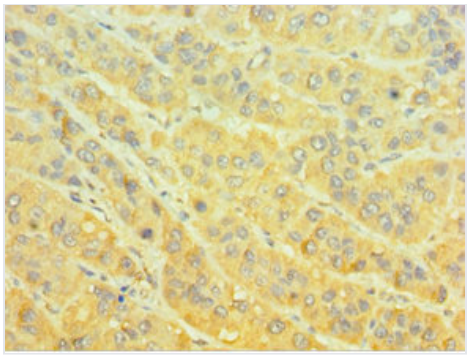
# MTMR4 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | MTMR4, Polyclonal Antibody |
| **Full Product Name** | MTMR4 Antibody |
| **Product Gene Name** | anti-MTMR4 antibody |
| **Product Synonym Names** | FYVE domain-containing dual specificity protein phosphatase 2; FYVE-DSP2; Zinc finger FYVE domain-containing protein 11; MTMR4; ZFYVE11 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Purity/Purification** | Antigen Affinity Purified |
| **Preparation and Storage** | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Molecular Weight** | 133,353 Da |
| **OMIM** | 603559 |
| **3D Structure** | ModBase 3D Structure for Q9NYA4 |
| **Storage Buffer** | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| **Conjugate** | Non-conjugated |
| **Immunogen** | Recombinant human Myotubularin-related protein 4 protein (570-820aa) |
| **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** | Recommended dilution: IHC:1:20-1:200 |
| **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). |
| **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** | MBS1497765 is an antibody targeting MTMR4. Also known as MTMR4 Antibody. Reactive in Human. Host: Rabbit. |



**Immunohistochemistry (IHC) of anti-MTMR4 antibody**
Immunohistochemistry of paraffin-embedded human rectal cancer using MBS1497765 at dilution 1:100



**Immunohistochemistry (IHC) of anti-MTMR4 antibody**
Immunohistochemistry of paraffin-embedded human liver cancer using MBS1497765 at dilution 1:100

## 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 |
| **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 |

| | |
|---|---|
| **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.<br><br>Protein type: EC 3.1.3.48; Phosphatase, lipid; Motility/polarity/chemotaxis; Protein phosphatase, dual-specificity; Protein phosphatase, tyrosine (non-receptor)<br><br>Chromosomal Location of Human Ortholog: 17q22<br><br>Cellular Component: cytosol; early endosome membrane; extracellular space<br><br>Molecular Function: metal ion binding; protein binding; protein serine/threonine phosphatase activity; protein tyrosine phosphatase activity<br><br>Biological Process: negative regulation of transforming growth factor beta receptor signaling pathway; phosphatidylinositol biosynthetic process; phospholipid metabolic process; protein amino acid dephosphorylation; response to denervation involved in regulation of muscle adaptation; transforming growth factor beta receptor signaling pathway |
| **Research Articles on MTMR4** | **1.** myotubularin-related protein 3 and myotubularin-related protein 4 may act as a bridge between CEP55 and polo-like kinase 1, ensuring proper CEP55 phosphorylation and regulating CEP55 recruitment to the midbody. |
| **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.<br><br>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-antibody/mtmr4/1497765