

MTMR2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54613**Specification****MTMR2 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q13614
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73381

MTMR2 Polyclonal Antibody - Additional Information**Gene ID** 8898**Other Names**

Myotubularin-related protein 2, Phosphatidylinositol-3, 5-bisphosphate 3-phosphatase, 3.1.3.95, Phosphatidylinositol-3-phosphate phosphatase, 3.1.3.64, MTMR2 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=7450 target="_blank">HGNC:7450), KIAA1073

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MTMR2 Polyclonal Antibody - Protein Information**Name** MTMR2 ([HGNC:7450](#))**Function**

Lipid phosphatase that specifically dephosphorylates the D-3 position of phosphatidylinositol 3-phosphate and phosphatidylinositol 3,5-bisphosphate, generating phosphatidylinositol and phosphatidylinositol 5-phosphate (PubMed: [11733541](http://www.uniprot.org/citations/11733541), PubMed: [12668758](http://www.uniprot.org/citations/12668758), PubMed: [14690594](http://www.uniprot.org/citations/14690594), PubMed: [21372139](http://www.uniprot.org/citations/21372139)). Regulates the level of these phosphoinositides critical for various biological processes including autophagy initiation and autophagosome maturation (PubMed: [35580604](http://www.uniprot.org/citations/35580604)).

Cellular Location

Cytoplasm. Early endosome membrane; Peripheral membrane protein. Cytoplasm, perinuclear region. Cell projection, axon {ECO:0000250|UniProtKB:Q9Z2D1}. Endosome membrane {ECO:0000250|UniProtKB:Q9Z2D1}; Peripheral membrane protein. Note=Partly associated with membranes (PubMed:12668758, PubMed:15998640, PubMed:21372139). Localizes to vacuoles in hypo- osmotic conditions (By similarity). {ECO:0000250|UniProtKB:Q9Z2D1, ECO:0000269|PubMed:12668758, ECO:0000269|PubMed:15998640, ECO:0000269|PubMed:21372139}

MTMR2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MTMR2 Polyclonal Antibody - Images