

MTMR1 (isoform 1) Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2249a**Specification**

MTMR1 (isoform 1) Antibody (C-Term) - Product Information

Application	E
Primary Accession	O13613
Other Accession	NP_003819.1 , 8776
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	74678

MTMR1 (isoform 1) Antibody (C-Term) - Additional Information**Gene ID** 8776**Other Names**

Myotubularin-related protein 1, Phosphatidylinositol-3-phosphate phosphatase, 3.1.3.64, MTMR1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MTMR1 (isoform 1) Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

MTMR1 (isoform 1) Antibody (C-Term) - Protein Information**Name** MTMR1 ([HGNC:7449](#))**Function**

Lipid phosphatase that has high specificity for phosphatidylinositol 3-phosphate and has no activity with phosphatidylinositol 4-phosphate, phosphatidylinositol (4,5)- biphosphate and phosphatidylinositol (3,4,5)-trisphosphate (PubMed:11733541, PubMed:27018598). Activity with phosphatidylinositol (3,5)-biphosphate is controversial; it has been shown by PubMed:27018598, while PubMed:11733541

find no activity with this substrate.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q9Z2C4}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9Z2C4}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9Z2C4}.
Cytoplasm {ECO:0000250|UniProtKB:Q9Z2C4}

MTMR1 (isoform 1) Antibody (C-Term) - 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](#)

MTMR1 (isoform 1) Antibody (C-Term) - Images**MTMR1 (isoform 1) Antibody (C-Term) - Background**

Please note this will only recognise Human isoform 1 (NP_003819.1), not isoform 2 (NP_789746).

MTMR1 (isoform 1) Antibody (C-Term) - References

A gene mutated in X-linked myotubular myopathy defines a new putative tyrosine phosphatase family conserved in yeast. Laporte J, Hu LJ, Kretz C, Mandel JL, Kioschis P, Coy JF, Klauck SM, Poustka A, Dahl N. Nat Genet 1996 Jun;13(2):175-82 PMID: 8640223