

MTMR12 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13924**Specification**

MTMR12 antibody - middle region - Product Information

Application	WB
Primary Accession	O9C0I1
Other Accession	NM_001040446 , NP_001035536
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 86kDa KDa

MTMR12 antibody - middle region - Additional Information**Gene ID** 54545**Alias Symbol** 3-PAP, PIP3AP**Other Names**

Myotubularin-related protein 12, Phosphatidylinositol 3 phosphate 3-phosphatase adapter subunit, 3-PAP, 3-phosphatase adapter protein, MTMR12, KIAA1682, PIP3AP

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-MTMR12 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

MTMR12 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

MTMR12 antibody - middle region - Protein Information**Name** MTMR12**Synonyms** KIAA1682, PIP3AP**Function**

Acts as an adapter for the myotubularin-related phosphatases (PubMed:11504939, PubMed:12847286, PubMed:23818870). Regulates phosphatase MTM1 protein stability and possibly its intracellular location (PubMed:23818870). By stabilizing MTM1 protein levels, required for skeletal muscle maintenance but not for myogenesis (By similarity).

Cellular Location

Cytoplasm. Sarcoplasmic reticulum {ECO:0000250|UniProtKB:Q80TA6}. Cytoplasm, myofibril, sarcomere {ECO:0000250|UniProtKB:Q80TA6}. Note=Localizes to punctate vesicles when associated with MTM1 (PubMed:12847286) Localizes to triads, a structure formed by a T tubule and two sarcoplasmic reticulum terminal cisterna (By similarity). In skeletal muscles, co-localizes with MTM1 in the sarcomere (By similarity) Partially localizes to the sarcoplasmic reticulum in skeletal muscles (By similarity). {ECO:0000250|UniProtKB:Q80TA6, ECO:0000269|PubMed:12847286}

Tissue Location

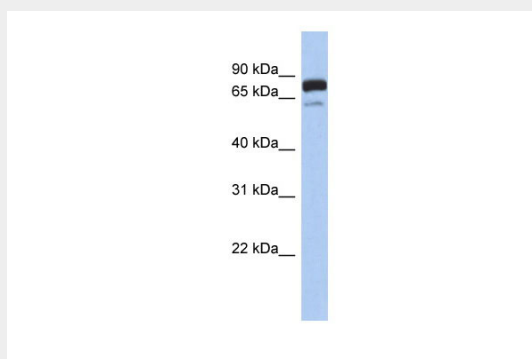
Expressed in skeletal muscles (at protein level) (PubMed:23818870). Ubiquitous with prominent expression in brain, heart, kidney, placenta, and lung (PubMed:11504939)

MTMR12 antibody - middle region - 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](#)

MTMR12 antibody - middle region - Images



WB Suggested Anti-MTMR12 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: Human brain

MTMR12 antibody - middle region - References

Nandurkar H.H., et al. Proc. Natl. Acad. Sci. U.S.A. 98:9499-9504(2001).
Nagase T., et al. DNA Res. 7:347-355(2000).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Bechtel S., et al. BMC Genomics 8:399-399(2007).
Nandurkar H.H., et al. Proc. Natl. Acad. Sci. U.S.A. 100:8660-8665(2003).

