

**MTMR4 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17037c**

**Specification**

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**MTMR4 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9NYA4</a>
Other Accession	<a href="#">NP_004678.3</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	133353
Antigen Region	695-723

**MTMR4 Antibody (Center) - Additional Information**

**Gene ID** 9110

**Other Names**

Myotubularin-related protein 4, FYVE domain-containing dual specificity protein phosphatase 2, FYVE-DSP2, Zinc finger FYVE domain-containing protein 11, MTMR4, KIAA0647, ZFYVE11

**Target/Specificity**

This MTMR4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 695-723 amino acids from the Central region of human MTMR4.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

MTMR4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**MTMR4 Antibody (Center) - Protein Information**

**Name** MTMR4

**Synonyms** KIAA0647, ZFYVE11

**Function** Dephosphorylates proteins phosphorylated on Ser, Thr, and Tyr residues and low molecular weight phosphatase substrate para- nitrophenylphosphate. Phosphorylates phosphatidylinositol 3,4,5- trisphosphate (PIP3).

**Cellular Location**

Cytoplasm. Membrane; Peripheral membrane protein. Note=Localized to perinuclear region

**Tissue Location**

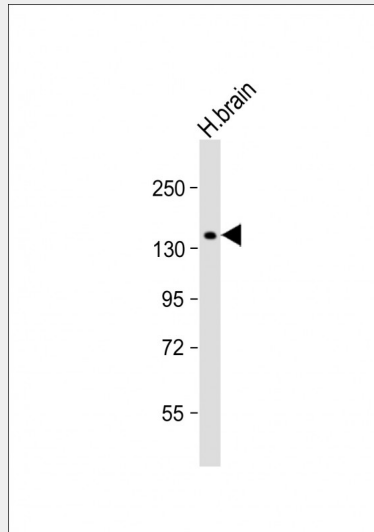
Expressed in brain, heart, kidney, spleen, liver, colon, testis, muscle, placenta, thyroid gland, pancreas, ovary, prostate, skin, peripheral blood, and bone marrow

**MTMR4 Antibody (Center) - 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](#)

**MTMR4 Antibody (Center) - Images**



Anti-MTMR4 Antibody (Center) at 1:1000 dilution + human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 133 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

**MTMR4 Antibody (Center) - Background**

Dephosphorylates proteins phosphorylated on Ser, Thr, and Tyr residues and low molecular weight phosphatase substrate para-nitrophenylphosphate. Phosphorylates phosphatidylinositol 3,4,5-trisphosphate (PIP3).

**MTMR4 Antibody (Center) - References**

Yu, J., et al. J. Biol. Chem. 285(11):8454-8462(2010) Dolley, G., et al. Mol. Genet. Metab. 97(2):149-154(2009) Plant, P.J., et al. Biochem. J. 419(1):57-63(2009) Colland, F., et al. Genome Res. 14(7):1324-1332(2004) Zhao, R., et al. Exp. Cell Res. 265(2):329-338(2001)