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

Specification

MTMR4 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9NYA4
Other Accession	NP_004678.3
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

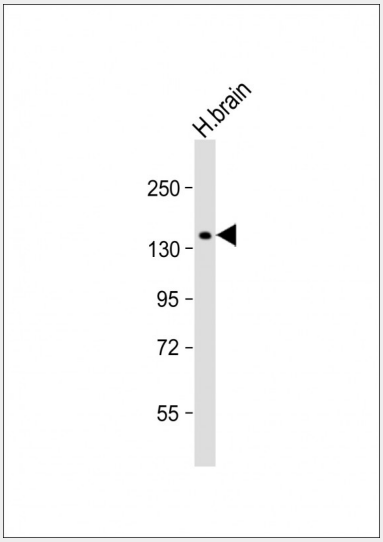
Tissue Location
Expressed in brain, heart, kidney, spleen, liver, colon, testis, muscle, placenta, thyroid gland, pancreas, ovary, prostate, skin, peripheral blood, and bone marrow

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 Cytomety
- 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)