

MTMR7 Rabbit pAb

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Catalog # AP56885

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y216
Reactivity	Rat
Predicted	Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75833
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MTMR7
Epitope Specificity	561-660/660
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the myotubularin family of tyrosine/dual-specificity phosphatases. The encoded protein is characterized by four distinct domains that are conserved among all members of the myotubularin family: the glucosyltransferase, Rab-like GTPase activator and myotubularins domain, the Rac-induced recruitment domain, the protein tyrosine phosphatases and dual-specificity phosphatases domain and the suppressor of variegation 3-9, enhancer-of-zeste, and trithorax interaction domain. This protein dephosphorylates the target substrates phosphatidylinositol 3-phosphate and inositol 1,3-bisphosphate. A pseudogene of this gene is found on chromosome 5. [provided by RefSeq, Mar 2009]

Additional Information

Gene ID	9108
Other Names	Phosphatidylinositol-3-phosphate phosphatase MTMR7, MTMR7 (HGNC:7454)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

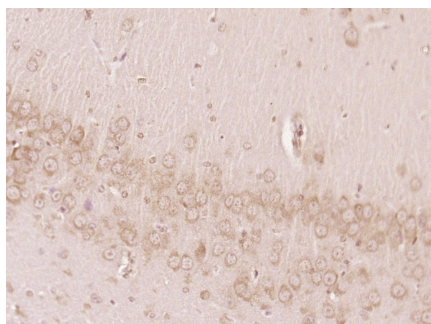
Protein Information

Name	MTMR7 (HGNC:7454)
Function	Lipid phosphatase that specifically dephosphorylates the D-3 position of phosphatidylinositol 3-phosphate (PtdIns(3)P) and inositol 1,3-bisphosphate (Ins(1,3)P2).
Cellular Location	Cytoplasm. Endomembrane system {ECO:0000250 UniProtKB:Q9Z2C9}; Peripheral membrane protein {ECO:0000250 UniProtKB:Q9Z2C9}; Cytoplasmic side {ECO:0000250 UniProtKB:Q9Z2C9}. Note=May partially localize to endosomes and/or the Golgi apparatus. {ECO:0000250 UniProtKB:Q9Z2C9}
Tissue Location	Expressed specifically in brain.

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Images



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MTMR7) Polyclonal Antibody, Unconjugated (AP56885) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.