

# MTMR14 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP17472a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q8NCE2</a>
<b>Other Accession</b>	<a href="#">Q8VEL2</a> , <a href="#">NP_001070993.1</a> , <a href="#">NP_001070994.1</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB37496
<b>Calculated MW</b>	72203
<b>Antigen Region</b>	18-45

## Additional Information

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<b>Gene ID</b>	64419
<b>Other Names</b>	Myotubularin-related protein 14, 313-, HCV NS5A-transactivated protein 4 splice variant A-binding protein 1, NS5ATP4ABP1, hJumpy, MTMR14, C3orf29
<b>Target/Specificity</b>	This MTMR14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 18-45 amino acids from the N-terminal region of human MTMR14.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	MTMR14 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	MTMR14 ( <a href="#">HGNC:26190</a> )
<b>Function</b>	Lipid phosphatase that specifically dephosphorylates the D-3 position of phosphatidylinositol 3-phosphate and phosphatidylinositol 3,5-bisphosphate,

generating phosphatidylinositol and phosphatidylinositol 5-phosphate.

**Cellular Location**

Cytoplasm. Note=Found in reticular structures and plasma membrane ruffles  
Concentrated near the nucleus.

**Tissue Location**

Expressed in various tissues, including heart, skeletal muscle, placenta, liver,  
lung, kidney and pancreas

**Background**

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This gene encodes a myotubularin-related protein. The encoded protein is a phosphoinositide phosphatase that specifically dephosphorylates phosphatidylinositol 3,5-biphosphate and phosphatidylinositol 3-phosphate. Mutations in this gene are correlated with autosomal dominant centronuclear myopathy. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 18.

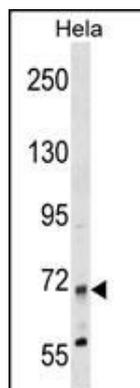
**References**

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Gibbs, E.M., et al. Autophagy 6(6):819-820(2010)  
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Vergne, I., et al. EMBO J. 28(15):2244-2258(2009)  
Tosch, V., et al. Hum. Mol. Genet. 15(21):3098-3106(2006)

**Images**

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MTMR14 Antibody (N-term) (Cat. #AP17472a) western blot analysis in HeLa cell line lysates (35ug/lane).This demonstrates the MTMR14 antibody detected the MTMR14 protein (arrow).

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