

MTMR14 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17472a**Specification**

MTMR14 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8NCE2
Other Accession	Q8VEL2 , NP_001070993.1 , NP_001070994.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	72203
Antigen Region	18-45

MTMR14 Antibody (N-term) - Additional Information**Gene ID** 64419**Other Names**

Myotubularin-related protein 14, 313-, HCV NS5A-transactivated protein 4 splice variant A-binding protein 1, NS5ATP4ABP1, hJumpy, MTMR14, C3orf29

Target/Specificity

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.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

MTMR14 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MTMR14 Antibody (N-term) - Protein Information**Name** MTMR14 ([HGNC:26190](#))

Function 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

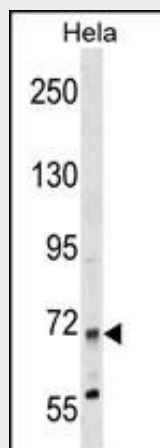
Expressed in various tissues, including heart, skeletal muscle, placenta, liver, lung, kidney and pancreas

MTMR14 Antibody (N-term) - 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](#)

MTMR14 Antibody (N-term) - Images



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).

MTMR14 Antibody (N-term) - Background

This gene encodes a myotubularin-related protein. The encoded protein is a phosphoinositide phosphatase that specifically dephosphorylates phosphatidylinositol 3,5-bisphosphate 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.

MTMR14 Antibody (N-term) - References

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)