

**MTMR14 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17472a****Specification**

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**MTMR14 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q8NCE2](#)**MTMR14 Antibody (N-term) Blocking Peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**MTMR14 Antibody (N-term) Blocking Peptide - Protein Information****Name** MTMR14**Synonyms** C3orf29**Function**Lipid phosphatase which efficiently dephosphorylates phosphatidylinositol 3-phosphate (PtdIns3P) and PtdIns(3,5)P<sub>2</sub>; inactive toward PtdIns4P, PtdIns(3,4)P<sub>2</sub>, PtdIns(4,5)P<sub>2</sub> and PtdIns(3,4,5)P<sub>3</sub>.**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) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **MTMR14 Antibody (N-term) Blocking Peptide - Images**

#### **MTMR14 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)