

**MTMR9 Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP6808a****Specification**

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**MTMR9 Antibody Blocking peptide - Product Information**Primary Accession  
Other Accession[O96EF0](#)  
[NP\\_060147](#)**MTMR9 Antibody Blocking peptide - Additional Information****Gene ID** 55613**Other Names**

Myotubularin-related protein 8, 313-, MTMR8

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody <a href="/product/products/AP6808a">AP6808a</a> was selected from the C-term region of human MTMR8 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**MTMR9 Antibody Blocking peptide - Protein Information****Name** MTMR8**Function**

Phosphatase that acts on lipids with a phosphoinositol headgroup (PubMed:<a href="http://www.uniprot.org/citations/22647598" target="\_blank">22647598</a>, PubMed:<a href="http://www.uniprot.org/citations/26143924" target="\_blank">26143924</a>). Has phosphatase activity towards phosphatidylinositol 3-phosphate and phosphatidylinositol 3,5-bisphosphate (PubMed:<a href="http://www.uniprot.org/citations/22647598" target="\_blank">22647598</a>, PubMed:<a href="http://www.uniprot.org/citations/26143924" target="\_blank">26143924</a>). In complex with MTMR9, negatively regulates autophagy (PubMed:<a href="http://www.uniprot.org/citations/22647598" target="\_blank">22647598</a>).

**Cellular Location**

Nucleus envelope.

## **MTMR9 Antibody Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

## **MTMR9 Antibody Blocking peptide - Images**

## **MTMR9 Antibody Blocking peptide - Background**

MTMR8 is a myotubularin-related protein that is atypical to most other members of the myotubularin-related protein family because it has no dual-specificity phosphatase domain. The encoded protein contains a double-helical motif similar to the SET interaction domain, which is thought to have a role in the control of cell proliferation. In mouse, a protein similar to the encoded protein binds with MTMR7, and together they dephosphorylate phosphatidylinositol 3-phosphate and inositol 1,3-bisphosphate.

## **MTMR9 Antibody Blocking peptide - References**

Appel, S., et al., Eur. J. Hum. Genet. 10(1):17-25 (2002). Appel, S., et al., Genomics 75 (1-3), 6-8 (2001).