

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

MTMR9 Antibody Blocking peptide - Product Information

Primary Accession [O96EF0](#)
Other Accession [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 [AP6808a](/product/products/AP6808a) 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: [22647598](http://www.uniprot.org/citations/22647598), PubMed: [26143924](http://www.uniprot.org/citations/26143924)). Has phosphatase activity towards phosphatidylinositol 3-phosphate and phosphatidylinositol 3,5-bisphosphate (PubMed: [22647598](http://www.uniprot.org/citations/22647598), PubMed: [26143924](http://www.uniprot.org/citations/26143924)). In complex with MTMR9, negatively regulates autophagy (PubMed: [22647598](http://www.uniprot.org/citations/22647598)).

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).