

MTMR7 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6807a**Specification**

MTMR7 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y216](#)**MTMR7 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 9108**Other Names**

Myotubularin-related protein 7, 313-, MTMR7

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP6807a was selected from the C-term region of human MTMR7 . 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.

MTMR7 Antibody (C-term) Blocking Peptide - Protein Information**Name** MTMR7**Function**

Phosphatase that specifically dephosphorylates phosphatidylinositol 3-phosphate (PtdIns(3)P) and inositol 1,3- bisphosphate (Ins(1,3)P2).

Cellular Location

Cytoplasm. Endomembrane system {ECO:0000250|UniProtKB:Q9Z2C9}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9Z2C9}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9Z2C9}. Note=May partially localize to endosomes and/or the Golgi apparatus. {ECO:0000250|UniProtKB:Q9Z2C9}

Tissue Location

Expressed specifically in brain.

MTMR7 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MTMR7 Antibody (C-term) Blocking Peptide - Images**MTMR7 Antibody (C-term) Blocking Peptide - Background**

Mtmr7 is a member of the myotubularin (MTM) family. In mouse cells, MTMR7 is expressed mainly in brain and neuroblastoma. Recombinant MTMR7 dephosphorylates the D-3 position of phosphatidylinositol 3-phosphate and inositol 1,3-bisphosphate. Immunofluorescence data shows that MTMR7 is localized in Golgi-like granules and cytosol, and subcellular fractionation showed both cytoplasmic and membrane localization of MTMR7 in neuronal cells. Binding of MTMR9 increases the phosphatase activity of MTMR7.