

MTMR4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6804a**Specification**

MTMR4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [O9NYA4](#)
Other Accession [NM_004687](#)

MTMR4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9110

Other Names

Myotubularin-related protein 4, FYVE domain-containing dual specificity protein phosphatase 2, FYVE-DSP2, Zinc finger FYVE domain-containing protein 11, MTMR4, KIAA0647, ZFYVE11

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6804a](/product/products/AP6804a) was selected from the C-term region of human MTMR4. 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.

MTMR4 Antibody (C-term) Blocking Peptide - Protein Information

Name MTMR4

Synonyms KIAA0647, ZFYVE11

Function

Dephosphorylates proteins phosphorylated on Ser, Thr, and Tyr residues and low molecular weight phosphatase substrate para- nitrophenylphosphate. Phosphorylates phosphatidylinositol 3,4,5-trisphosphate (PIP3).

Cellular Location

Cytoplasm. Membrane; Peripheral membrane protein. Note=Localized to perinuclear region

Tissue Location

Expressed in brain, heart, kidney, spleen, liver, colon, testis, muscle, placenta, thyroid gland, pancreas, ovary, prostate, skin, peripheral blood, and bone marrow

MTMR4 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MTMR4 Antibody (C-term) Blocking Peptide - Images

MTMR4 Antibody (C-term) Blocking Peptide - Background

MTMR, a member of the myotubularin family, encodes an intracellular protein of 1,195 amino acids, and shares approximately 47% sequence identity with MTMR3, spiking to over 70% identity in the catalytic domain and the double zinc finger (FYVE) motif. PCR analysis detects expression of MTMR4 in all human tissues examined except lung, small intestine, stomach, salivary gland, adrenal gland, and uterus. Subcellular localization of MTMR4 in transfected HeLa cells showed a perinuclear distribution, similar to that seen with MTMR3. MTMR4 dephosphorylates para-nitrophenylphosphate and phosphatidylinositol 3-phosphate.