

MTTP Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9069b**Specification**

MTTP Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P55157](#)**MTTP Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 4547**Other Names**

Microsomal triglyceride transfer protein large subunit, MTTP, MTP

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9069b](/products/AP9069b) was selected from the C-term region of human MTTP. 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.

MTTP Antibody (C-term) Blocking Peptide - Protein Information**Name** MTTP**Synonyms** MTP**Function**

Catalyzes the transport of triglyceride, cholesteryl ester, and phospholipid between phospholipid surfaces (PubMed: [23475612](http://www.uniprot.org/citations/23475612), PubMed: [8939939](http://www.uniprot.org/citations/8939939), PubMed: [26224785](http://www.uniprot.org/citations/26224785), PubMed: [25108285](http://www.uniprot.org/citations/25108285), PubMed: [22236406](http://www.uniprot.org/citations/22236406), PubMed: [16478722](http://www.uniprot.org/citations/16478722), PubMed: [15897609](http://www.uniprot.org/citations/15897609), PubMed: [8876250](http://www.uniprot.org/citations/8876250)). Required for the assembly and secretion of plasma lipoproteins

that contain apolipoprotein B (PubMed:23475612, PubMed:8939939, PubMed:26224785, PubMed:8876250, PubMed:16478722). May be involved in regulating cholesteryl ester biosynthesis in cells that produce lipoproteins (By similarity).

Cellular Location

Endoplasmic reticulum. Golgi apparatus. Note=Colocalizes with P4HB/PDI in the endoplasmic reticulum (PubMed:23475612, PubMed:26224785)

Tissue Location

Liver and small intestine. Also found in ovary, testis and kidney.

MTTP Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

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

MTTP encodes the large subunit of the heterodimeric microsomal triglyceride transfer protein. Protein disulfide isomerase (PDI) completes the heterodimeric microsomal triglyceride transfer protein, which has been shown to play a central role in lipoprotein assembly. Mutations in MTP can cause abetalipoproteinemia.

MTTP Antibody (C-term) Blocking Peptide - References

Dai,K., et.al., Arterioscler. Thromb. Vasc. Biol. 30 (3), 568-574 (2010)Oliveira,C.P., et.al., J. Gastroenterol. Hepatol. 25 (2), 357-361 (2010)