

MTTP Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9069b

Specification

MTTP Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P55157
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	99351
Antigen Region	816-842

MTTP Antibody (C-term) - Additional Information

Gene ID 4547

Other Names

Microsomal triglyceride transfer protein large subunit, MTTP, MTP

Target/Specificity

This MTTP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 816-842 amino acids from the C-terminal region of human MTTP.

Dilution

WB~~1:1000
IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MTTP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MTTP Antibody (C-term) - Protein Information

Name MTTP

Synonyms MTP

Function Catalyzes the transport of triglyceride, cholesteryl ester, and phospholipid between phospholipid surfaces (PubMed:[15897609](#), PubMed:[16478722](#), PubMed:[22236406](#), PubMed:[23475612](#), PubMed:[25108285](#), PubMed:[26224785](#), PubMed:[8876250](#), PubMed:[8939939](#)). Required for the assembly and secretion of plasma lipoproteins that contain apolipoprotein B (PubMed:[16478722](#), PubMed:[23475612](#), PubMed:[26224785](#), PubMed:[8876250](#), PubMed:[8939939](#)). 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

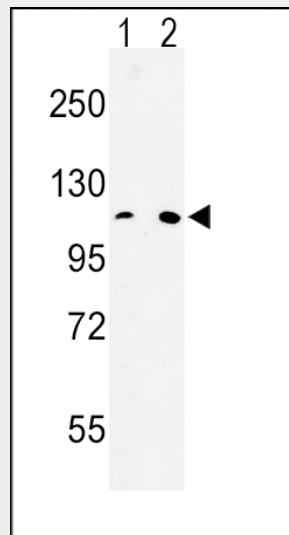
Liver and small intestine. Also found in ovary, testis and kidney.

MTTP Antibody (C-term) - Protocols

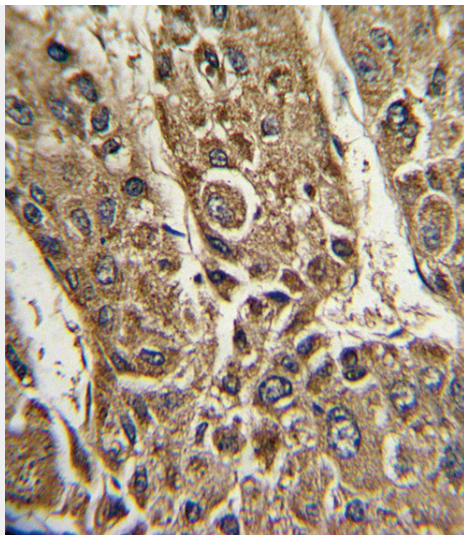
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MTTP Antibody (C-term) - Images



Western blot analysis of MTTP Antibody (C-term) (Cat. #AP9069b) in HeLa(lane 1), 293(lane 2) cell line lysates (35ug/lane). MTTP (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma with MTP Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

MTP Antibody (C-term) - Background

MTP 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.

MTP Antibody (C-term) - 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)