

**MTTP Antibody (C-term)  
Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AW5427****Specification**

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**MTTP Antibody (C-term) - Product Information**

Application	<b>WB, FC,E</b>
Primary Accession	<a href="#">P55157</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>H=99 KDa</b>
Isotype	<b>Rabbit IgG</b>
Antigen Source	<b>HUMAN</b>

**MTTP Antibody (C-term) - Additional Information****Gene ID** 4547**Antigen Region**  
878-911**Other Names**

Microsomal triglyceride transfer protein large subunit, MTTP, MTP

**Dilution**

WB~~1:1000

FC~~1:25

**Target/Specificity**

This MTTP antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 878-911 amino acids from the C-terminal region of human MTTP.

**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](http://www.uniprot.org/citations/15897609) target="\_blank">15897609</a>, PubMed:[16478722](http://www.uniprot.org/citations/16478722) target="\_blank">16478722</a>, PubMed:[22236406](http://www.uniprot.org/citations/22236406) target="\_blank">22236406</a>, PubMed:[23475612](http://www.uniprot.org/citations/23475612) target="\_blank">23475612</a>, PubMed:[25108285](http://www.uniprot.org/citations/25108285) target="\_blank">25108285</a>, PubMed:[26224785](http://www.uniprot.org/citations/26224785) target="\_blank">26224785</a>, PubMed:[8876250](http://www.uniprot.org/citations/8876250) target="\_blank">8876250</a>, PubMed:[8939939](http://www.uniprot.org/citations/8939939) target="\_blank">8939939</a>). Required for the assembly and secretion of plasma lipoproteins that contain apolipoprotein B (PubMed:[16478722](http://www.uniprot.org/citations/16478722) target="\_blank">16478722</a>, PubMed:[23475612](http://www.uniprot.org/citations/23475612) target="\_blank">23475612</a>, PubMed:[26224785](http://www.uniprot.org/citations/26224785) target="\_blank">26224785</a>, PubMed:[8876250](http://www.uniprot.org/citations/8876250) target="\_blank">8876250</a>, PubMed:[8939939](http://www.uniprot.org/citations/8939939) target="\_blank">8939939</a>). 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.

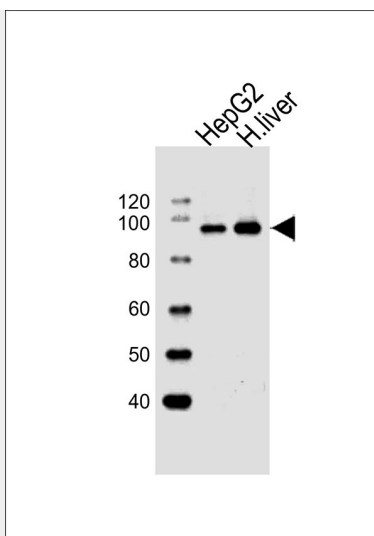
## MTTP Antibody (C-term) - Protocols

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

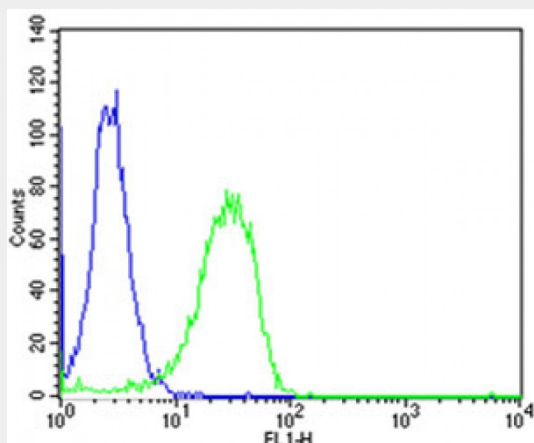
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## MTTP Antibody (C-term) - Images





All lanes : Anti-MTTP Antibody (C-term) at 1:1000 dilution Lane 1: HepG2 whole cell lysates Lane 2: human liver lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 99 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



Flow cytometric analysis of HeLa cells using MTP Antibody (C-term)(green, Cat#AW5427) compared to an isotype control of rabbit IgG(blue). AW5427 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

### MTTP Antibody (C-term) - Background

Catalyzes the transport of triglyceride, cholesteryl ester, and phospholipid between phospholipid surfaces. Required for the secretion of plasma lipoproteins that contain apolipoprotein B.

### MTTP Antibody (C-term) - References

- Shoulders C.C., et al. Hum. Mol. Genet. 2:2109-2116(1993).
- Sharp D., et al. Nature 365:65-69(1993).
- Sharp D., et al. Biochemistry 33:9057-9061(1994).
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Hagan D.L., et al. J. Biol. Chem. 269:28737-28744(1994).