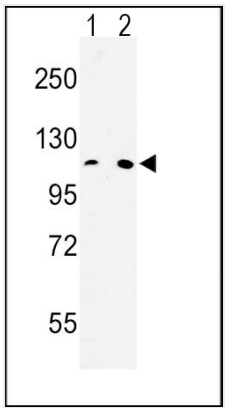
MTTP Antibody – Rabbit Polyclonal

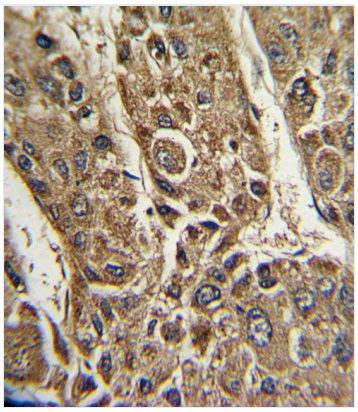
PRODUCT OVERVIEW

Product Name	MTTP, Polyclonal Antibody
Full Product Name	MTTP, CT (MTTP, MTP, Microsomal triglyceride transfer protein large subunit) (Biotin)
Product Gene Name	anti-MTTP antibody
Product Synonym Names	MTTP; MTP; Microsomal triglyceride transfer protein large subunit
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	894
OMIM	gene 200100
3D Structure	ModBase 3D Structure for P55157
Immunogen	MTTP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 822~851 amino acids from the C-terminal region of human MTTP.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-MTTP antibody	Antibodies; Lipoproteins
Applications Tested/Suitable for anti-MTTP antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-MTTP antibody	IHC: 1:50-100 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-MTTP antibody	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 entral role in lipoprotein assembly. Mutations in MTP can cause abetalipoproteinemia.
Product References and Citations for anti-MTTP antibody	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).
Other Notes	Small volumes of anti-MTTP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for MTTP purchase	MBS6322859 is an antibody targeting MTTP. Also known as MTTP, CT (MTTP, MTP, Microsomal triglyceride transfer protein large subunit) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MTTP antibody
Western blot analysis of MTTP Antibody (C-term) in Hela(lane 1), 293(lane 2) cell line lysates (35ug/lane). MTTP (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-MTTP antibody
Formalin-fixed and paraffin-embedded human hepatocarcinoma with MTTP 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTTP. It may not necessarily be applicable to this product.

NCBI GI #	1709167
NCBI GeneID	4547
NCBI Accession #	P55157.1
UniProt Primary Accession #	P55157
UniProt Secondary Accession #	Q08AM4; Q6P5T3; A8K428
UniProt Related Accession #	P55157
NCBI Official Full Name	Microsomal triglyceride transfer protein large subunit
NCBI Official Synonym Full Names	microsomal triglyceride transfer protein
NCBI Official Symbol	MTTP
NCBI Official Synonym Symbols	ABL; MTP
UniProt Protein Name	Microsomal triglyceride transfer protein large subunit
Protein Family	Microsomal triglyceride transfer protein
UniProt Gene Name	MTTP
UniProt Synonym Gene Names	MTP
UniProt Entry Name	MTP_HUMAN
NCBI Protein Information	microsomal triglyceride transfer protein large subunit; microsomal triglyceride transfer protein (large polypeptide, 88kDa)
NCBI Summary for MTTP	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. [provided by RefSeq, Jul 2008]

UniProt Comments for MTTP	MTTP: Catalyzes the transport of triglyceride, cholesteryl ester, and phospholipid between phospholipid surfaces. Required for the secretion of plasma lipoproteins that contain apolipoprotein B. Defects in MTTP are the cause of abetalipoproteinemia (ABL). ABL is an autosomal recessive disorder of lipoprotein metabolism. Affected individuals produce virtually no circulating apolipoprotein B-containing lipoproteins (chylomicrons, VLDL, LDL, lipoprotein(A)). Malabsorption of the antioxidant vitamin E occurs, leading to spinocerebellar and retinal degeneration. Protein type: Endoplasmic reticulum Chromosomal Location of Human Ortholog: 4q24 Cellular Component: endoplasmic reticulum lumen; receptor complex Molecular Function: lipid transporter activity; lipid binding Biological Process: lipoprotein metabolic process; lipid metabolic process; lipid transport Disease: Abdominal Obesity-metabolic Syndrome 1; Abetalipoproteinemia
Research Articles on MTTP	**1.** Report of two new mutations of MTTP, a nonsense mutation c.2313T > A leading to a truncated protein (p.Y771X) and a splice mutation IVS 9 + 2T > G, in abetalipoproteinemia
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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