10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MTTP Rabbit pAb

Catalog # AP97837

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P55157
Other Accession	P55157
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	99351
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MTTP
Epitope Specificity	801-900/894
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 vitellogenin domain.
SUBUNIT	Heterodimer composed of MTTP and of protein disulfide isomerase (P4HB/PDI) (By similarity).
DISEASE	Abetalipoproteinemia (ABL) [MIM:200100]: 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. Note=The disease is caused by mutations affecting the gene represented in this entry.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	MTTP catalyzes the transport of triglyceride, cholesteryl ester, and phospholipid between phospholipid surfaces. MTTP is required for the secretion of plasma lipoproteins that contain apolipoprotein B. It is positively regulated by cholesterol and negatively regulated by insulin. Defects in MTP are the cause of abetalipoproteinemia.

Additional Information

Gene ID	4547
Other Names	ABL; MTP; 1810043K16Rik; MTP_BOVIN; MTTP; MTP_HUMAN; MTP_MOUSE; MTP_PIG; microsomal triglyceride transfer protein; microsomal triglyceride transfer protein (large polypeptide, 88kD); microsomal triglyceride transfer protein (large polypeptide, 88kDa)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.