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PLTP Rabbit pAb

Catalog # AP96845

Product Information

Application	WB
Primary Accession	P55065
Other Accession	P55065
Reactivity	Mouse
Predicted	Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54453
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse PLTP
Epitope Specificity	170-270/493
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the BPI/LBP/Plunc superfamily. BPI/LBP family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is one of at least two lipid transfer proteins found in human plasma. The encoded protein transfers phospholipids from triglyceride-rich lipoproteins to high density lipoprotein (HDL). In addition to regulating the size of HDL particles, this protein may be involved in cholesterol metabolism. At least two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

Additional Information

Gene ID	18830
Other Names	BPIFE; HDLCQ9; OD107; PLTP_HUMAN; PLTP; Lipid transfer protein II; PLTP_MOUSE; phospholipid transfer protein; BPI fold containing family E
Dilution	WB=1:500-2000
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	Pltp

Function	Mediates the transfer of phospholipids and free cholesterol from triglyceride-rich lipoproteins (low density lipoproteins or LDL and very low density lipoproteins or VLDL) into high-density lipoproteins (HDL) as well as the exchange of phospholipids between triglyceride-rich lipoproteins themselves (PubMed:10079112, PubMed:7615508, PubMed:7654777). Facilitates the transfer of a spectrum of different lipid molecules, including sphingomyelin, phosphatidylcholine, phosphatidylinositol, phosphatidylglycerol, and phosphatidyl ethanolamine (PubMed:10079112). Plays an important role in HDL remodeling which involves modulating the size and composition of HDL (By similarity). Also plays a key role in the uptake of cholesterol from peripheral cells and tissues that is subsequently transported to the liver for degradation and excretion (By similarity). Two distinct forms of PLTP exist in plasma: an active form that can transfer phosphatidylcholine from phospholipid vesicles to HDL, and an inactive form that lacks this capability (By similarity).
Cellular Location	Secreted {ECO:0000250|UniProtKB:P55058}. Nucleus {ECO:0000250|UniProtKB:P55058}. Note=Nuclear export is XPO1/CRM1-dependent. {ECO:0000250|UniProtKB:P55058}
Tissue Location	Highest level expression in the lung, brain and heart with relatively low levels in the liver, skeletal muscle and testis and very low levels found in the spleen and kidney

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