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Anti-PLTP Rabbit Monoclonal Antibody

Catalog # ABO15891

Product Information

Application	WB
Primary Accession	P55058
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-PLTP Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Rat.

Additional Information

Gene ID	5360
Other Names	Phospholipid transfer protein, Lipid transfer protein II, PLTP
Calculated MW	54739
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 24P68
Immunogen	A synthesized peptide derived from human PLTP
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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:11013307, PubMed:19321130, PubMed:21515415, PubMed:29883800, PubMed:7654777, PubMed:9132017). Facilitates the

transfer of a spectrum of different lipid molecules, including diacylglycerol, phosphatidic acid, sphingomyelin, phosphatidylcholine, phosphatidylinositol, phosphatidylglycerol, cerebroside and phosphatidyl ethanolamine (PubMed:9132017). Plays an important role in HDL remodeling which involves modulating the size and composition of HDL (PubMed:29883800). 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 (PubMed:21736953). 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 (PubMed:11013307).

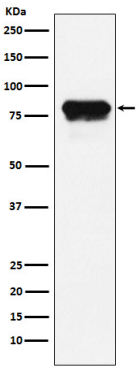
Cellular Location

Secreted. Nucleus. Note=Nuclear export is XPO1/CRM1- dependent.

Tissue Location

Widely expressed. Highest level of expression in the ovary, thymus and placenta, with moderate levels found in the pancreas, small intestine, testis, lung and prostrate. Low level expression in the kidney, liver and spleen, with very low levels found in the heart, colon, skeletal muscle, leukocytes and brain. Expressed in the cortical neurons.

Images



Western blot analysis of PLTP expression in HeLa cell lysate.

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