

**PLTP Antibody**  
**Rabbit mAb**  
**Catalog # AP92472**

## Specification

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### PLTP Antibody - Product Information

Application	<b>WB</b>
Primary Accession	<a href="#">P55058</a>
Reactivity	<b>Rat</b>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
BPIFE; HDLCQ9; OD107; Pltp;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>54739 Da</b>

### PLTP Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human PLTP</b>
Description	<b>Converts HDL into larger and smaller particles. May play a key role in extracellular phospholipid transport and modulation of hdl particles.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### PLTP Antibody - 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](http://www.uniprot.org/citations/11013307) target="\_blank">11013307</a>, PubMed: [19321130](http://www.uniprot.org/citations/19321130) target="\_blank">19321130</a>, PubMed: [21515415](http://www.uniprot.org/citations/21515415) target="\_blank">21515415</a>, PubMed: [29883800](http://www.uniprot.org/citations/29883800) target="\_blank">29883800</a>, PubMed: [7654777](http://www.uniprot.org/citations/7654777) target="\_blank">7654777</a>, PubMed: [9132017](http://www.uniprot.org/citations/9132017) target="\_blank">9132017</a>). Facilitates the transfer of a spectrum of different lipid molecules, including diacylglycerol, phosphatidic acid, sphingomyelin, phosphatidylcholine, phosphatidylinositol, phosphatidylglycerol, cerebroside and phosphatidyl ethanolamine

(PubMed:<a href="http://www.uniprot.org/citations/9132017" target="\_blank">9132017</a>). Plays an important role in HDL remodeling which involves modulating the size and composition of HDL (PubMed:<a href="http://www.uniprot.org/citations/29883800" target="\_blank">29883800</a>). 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:<a href="http://www.uniprot.org/citations/21736953" target="\_blank">21736953</a>). 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:<a href="http://www.uniprot.org/citations/11013307" target="\_blank">11013307</a>).

### Cellular Location

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

### Tissue Location

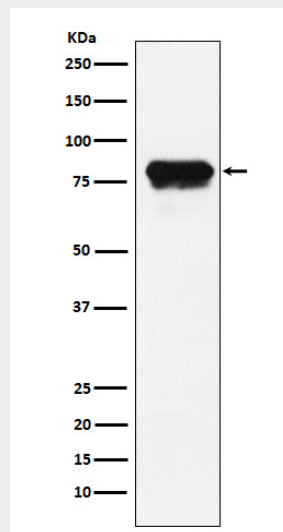
Widely expressed. Highest level of expression in the ovary, thymus and placenta, with moderate levels found in the pancreas, small intestine, testis, lung and prostate. Low level expression in the kidney, liver and spleen, with very low levels found in the heart, colon, skeletal muscle, leukocytes and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

### PLTP Antibody - 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](#)

### PLTP Antibody - Images



Western blot analysis of PLTP expression in HeLa cell lysate.