

For Research Use Only

# PLTP Recombinant antibody

Catalog Number: 84592-1-RR



## Basic Information

|   |  |  |
|---|--|--|
| <b>Catalog Number:</b><br>84592-1-RR                              | <b>GenBank Accession Number:</b><br>BC005045       | <b>Purification Method:</b><br>Protein A purification                  |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>5360                      | <b>CloneNo.:</b><br>241583F3   |
| <b>Source:</b><br>Rabbit  | <b>UNIPROT ID:</b><br>P55058                       | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IHC 1:400-1:1600 |
| <b>Isotype:</b><br>IgG  | <b>Full Name:</b><br>phospholipid transfer protein |  |
| <b>Immunogen Catalog Number:</b><br>AG8171                        | <b>Calculated MW:</b><br>493 aa, 55 kDa            |  |
|   | <b>Observed MW:</b><br>55 kDa                      |  |

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

**Positive Controls:**

**WB :** mouse brain tissue, rat brain tissue

**IHC :** mouse brain tissue,

## Background Information

PLTP (phospholipid transfer protein) belongs to the family of lipid-binding and lipid-transfer proteins. PLTP is involved in the distribution and metabolism of high-density lipoprotein ( HDL ) and reverse cholesterol transfer ( RCT ). In plasma, PLTP catalyzes the transfer of phospholipids ( mainly phosphatidylcholine ) between lipoproteins (PMID: 29558025). PLTP has a predicted protein molecular mass of approximately 55 kDa, and molecular weights of 70-80 kDa can also be detected in some literature (PMID: 26160914; 36312255; 29680823; 15342679; 7654777).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

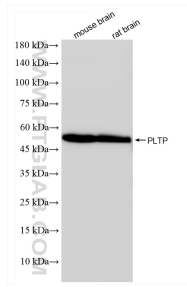
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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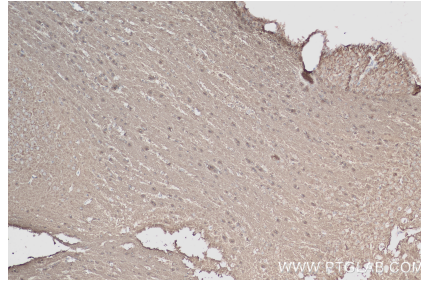
E: proteintech@ptglab.com  
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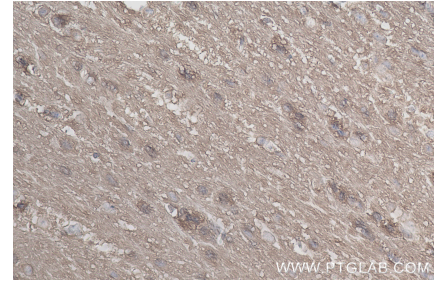
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84592-1-RR (PLTP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84592-1-RR (PLTP antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84592-1-RR (PLTP antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).