

For Research Use Only

# PEMT Recombinant antibody

Catalog Number: 85099-1-RR



## Basic Information

Catalog Number:

85099-1-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8034

GenBank Accession Number:

BC050593

GeneID (NCBI):

10400

UNIPROT ID:

Q9UBM1

Full Name:

phosphatidylethanolamine N-methyltransferase

Calculated MW:

26 kDa

Observed MW:

22-25 kDa

Purification Method:

Protein A purification

CloneNo.:

242150D5

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:250-1:1000

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

**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 : SH-SY5Y cells, mouse liver tissue

IHC : mouse liver tissue,

## Background Information

PEMT Catalyzes the three sequential steps of the methylation pathway for the biosynthesis of phosphatidylcholine, a critical and essential component for membrane structure (PMID:12431977, 15927961).

## 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

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

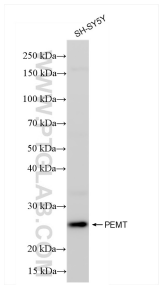
T: 4006900926

E: Proteintech-CN@ptglab.com

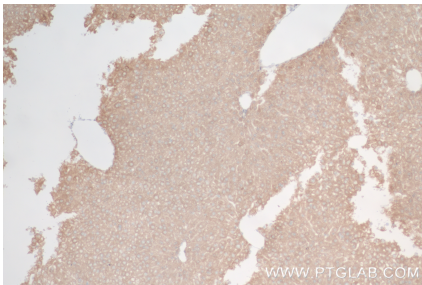
W: ptgcn.com

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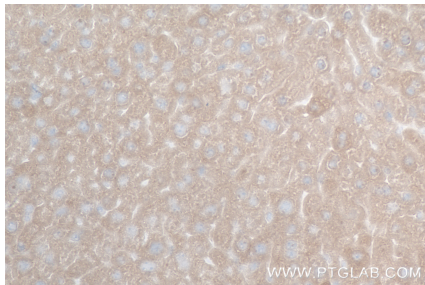
Selected Validation Data



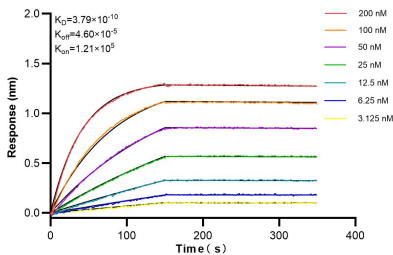
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 85099-1-RR (PEMT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 85099-1-RR (PEMT antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 85099-1-RR (PEMT antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 85099-1-RR against Human PEMT were performed. The affinity constant is 0.379 nM.