

Rabbit anti-Human, mouse PEMT Polyclonal Antibody | anti-PEMT antibody

PEMT Antibody (N-term)

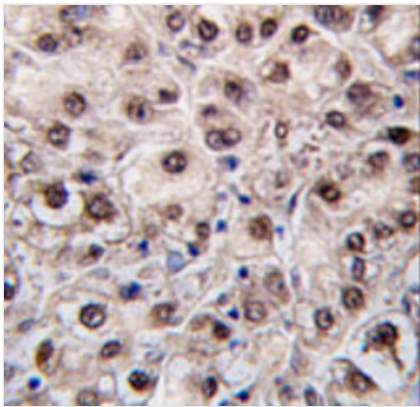
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288507	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

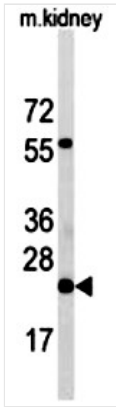
PEMT; Polyclonal Antibody; PEMT Antibody (N-term); Phosphatidylethanolamine N-methyltransferase; PEAMT; PEMT2; PEMPT; PNMT; anti-PEMT antibody

PRODUCT SPECIFICATIONS

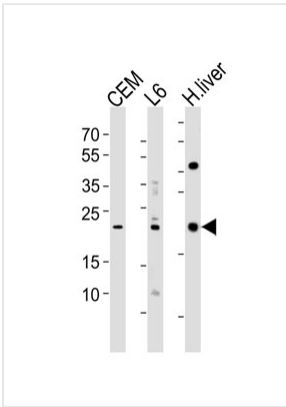
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PEMT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PEMT.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Applicable Applications for anti-PEMT antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Catalyzes the three sequential steps of the methylation pathway of phosphatidylcholine biosynthesis, the SAM-dependent methylation of phosphatidylethanolamine (PE) to phosphatidylmonomethylethanolamine (PMME), PMME to phosphatidyltrimethylethanolamine (PDME), and PDME to phosphatidylcholine (PC).
Cellular Location	[Isoform 1]: Endoplasmic reticulum membrane; Multi-pass membrane protein. Mitochondrion membrane; Multi-pass membrane protein. Note=Found in endoplasmic reticulum where most PEMT activity is generated and in mitochondria
Antigen Region	1-30
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PEMT antibody (N-term) AAA288507, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-PEMT Antibody (N-term) Pab AAA288507 in mouse kidney tissue lysates (35ug/lane). PEMT (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of lysates from CEM, rat L6 cell line and human liver tissue lysate (from left to right), using PEMT Antibody (N-term). AAA288507 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-PEMT antibody	This gene encodes an enzyme which converts phosphatidylethanolamine to phosphatidylcholine by sequential methylation in the liver. The protein localizes to the endoplasmic reticulum and mitochondria-associated membranes. The gene is within the Smith-Magenis syndrome region on chromosome 17. Alternate splicing of this gene results in three transcript variants encoding two different isoforms.
Product Categories/Family for anti-PEMT antibody	Crown Antibodies; Cancer; Neuroscience
References	Walkey C.J., Biochim. Biophys. Acta 1436:405-412(1999). Shields D.J., Biochim. Biophys. Acta 1532:105-114(2001). Hu R.-M., Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	388890235
NCBI GeneID	10400
NCBI Accession #	NP_001254480.1; NP_001254481.1; NP_009100.2; NP_680477.1; NP_680478.1
NCBI GenBank Nucleotide #	NM_001267551.1

UniProt Accession #	Q9UBM1; Q6IAQ5; Q86VL3; Q9BW86; Q9UHY6; Q9Y6V9; A8MZ66; B4DY41; D3DXC3
Molecular Weight	22134
NCBI Official Full Name	phosphatidylethanolamine N-methyltransferase isoform 4
NCBI Official Synonym Full Names	phosphatidylethanolamine N-methyltransferase
NCBI Official Symbol	PEMT
NCBI Official Synonym Symbols	PNMT; PEAMT; PEMPT; PEMT2
NCBI Protein Information	phosphatidylethanolamine N-methyltransferase
UniProt Protein Name	Phosphatidylethanolamine N-methyltransferase
UniProt Gene Name	PEMT
UniProt Synonym Gene Names	PEMPT; PNMT; PEAMT; PEMT
UniProt Entry Name	PEMT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pemt-antibody-immunohistochemistry-western-blot-elisa/288507>