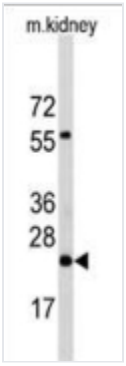
PEMT Antibody – Rabbit Polyclonal

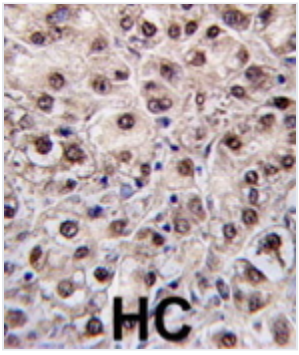
PRODUCT OVERVIEW

Product Name	PEMT, Polyclonal Antibody
Full Product Name	PEMT, NT (PEMT, PEMPT, PNMT, Phosphatidylethanolamine N-methyltransferase, PEMT2) (MaxLight 490)
Product Gene Name	anti-PEMT antibody
Product Synonym Names	PEMT; PEMPT; PNMT; Phosphatidylethanolamine N-methyltransferase; PEMT2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A/G Affinity Chromatography.
Specificity	Recognizes human PEMT. Species Crossreactivity: mouse
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	22,134 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (17408877..17495017, complement). Location: 17p11.2
OMIM	602391
3D Structure	ModBase 3D Structure for Q9UBM1
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 1-30 in the N-terminal region of human PEMT, UniProt Accession #Q9UBM1.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-PEMT antibody	Antibodies; Enzymes; Methyltransferase
Applications Tested/Suitable for anti-PEMT antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-PEMT antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:50-100 Applications are based on unconjugated antibody.
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 References and Citations for anti-PEMT antibody	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).

Other Notes	Small volumes of anti-PEMT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PEMT purchase	MBS6332689 is an antibody targeting PEMT. Also known as PEMT, NT (PEMT, PEMPT, PNMT, Phosphatidylethanolamine N-methyltransferase, PEMT2) (MaxLight 490). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-PEMT antibody
Western blot analysis in mouse kidney tissue lysates (35ug/lane) usingMBS6004399. PEMT(arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-PEMT antibody
Immunohistochemistry analysis in formalin-fixed and paraffin-embedded human hepatocarcinoma tissue usingMBS6004399, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PEMT. It may not necessarily be applicable to this product.

NCBI GI #	13345056
NCBI GeneID	10400
NCBI Accession #	AAK19172.1
UniProt Primary Accession #	Q9UBM1
UniProt Secondary Accession #	Q6IAQ5; Q86VL3; Q9BW86; Q9UHY6; Q9Y6V9; A8MZ66; B4DY41; D3DXC3
UniProt Related Accession #	Q9UBM1
NCBI Official Full Name	phosphatidylethanolamine N-methyltransferase
NCBI Official Synonym Full Names	phosphatidylethanolamine N-methyltransferase
NCBI Official Symbol	PEMT
NCBI Official Synonym Symbols	PNMT; PEAMT; PEMPT; PEMT2
UniProt Protein Name	Phosphatidylethanolamine N-methyltransferase
UniProt Synonym Protein Names	PEMT2
Protein Family	PEMT/PEM2 methyltransferase family protein
UniProt Gene Name	PEMT
UniProt Synonym Gene Names	PEMPT; PNMT; PEAMT; PEMT
UniProt Entry Name	PEMT_HUMAN
NCBI Protein Information	phosphatidylethanolamine N-methyltransferase
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