

PEMT Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP1025b**Specification****PEMT Antibody (C-term) Blocking Peptide -
Product Information**Primary Accession [Q9UBM1](#)**PEMT Antibody (C-term) Blocking Peptide -
Additional Information**

Gene ID 10400

Other NamesPhosphatidylethanolamine
N-methyltransferase, PEAMT, PEMT, PEMT2,
PEMT, PEMPT, PNMT**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1025b](/product/products/AP1025b) was selected from the C-term region of human PEMT. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PEMT Antibody (C-term) Blocking Peptide -
Protein Information**

Name PEMT

{ECO:0000255|HAMAP-Rule:MF_03216}

**PEMT Antibody (C-term) Blocking Peptide
- Background**

PEMT is 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.

**PEMT Antibody (C-term) Blocking Peptide
- 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).

Synonyms PEMPT, PNMT**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 phosphatidyl dimethylethanolamine (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

**PEMT Antibody (C-term) Blocking Peptide
- Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)