

PEMT polyclonal antibody

Catalog: BS31399

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Phosphatidylethanolamine N-methyltransferase: Catalyzes the three sequential steps of the methylation pathway for the biosynthesis of phosphatidylcholine, a critical and essential component for membrane structure. Uses S-adenosylmethionine (S-adenosyl-L-methionine, SAM or AdoMet) as the methyl group donor for the methylation of phosphatidylethanolamine (1,2-diacyl-sn-glycero-3-phosphoethanolamine, PE) to phosphatidylmonomethylethanolamine (1,2-diacyl-sn-glycero-3-phospho-N-methylethanolamine, PMME), PMME to phosphatidylmethylethanolamine (1,2-diacyl-sn-glycero-3-phospho-N,N-dimethylethanolamine, PDME), and PDME to phosphatidylcholine (1,2-diacyl-sn-glycero-3-phosphocholine, PC), producing S-adenosyl-L-homocysteine in each step. Responsible for approximately 30% of hepatic PC with the CDP-choline pathway accounting for the other 70% (Probable)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~22.1 kDa

Swiss-Prot:

Q9UBM1

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

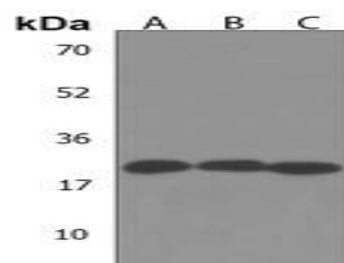
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

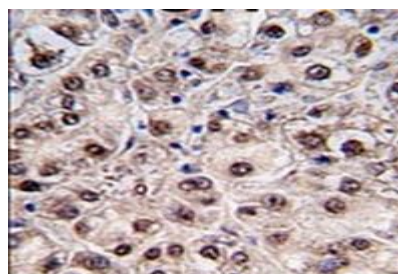
Specificity:

Recognizes endogenous levels of PEMT protein.

DATA:



Western blot analysis of MTHFD2 expression in Hela (A), 293 (B), MOLT4 (C), mouse heart (D) whole cell lysates.



Note:

For research use only, not for use in diagnostic procedure.

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