

PEMT Antibody

Catalog No: #47675

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

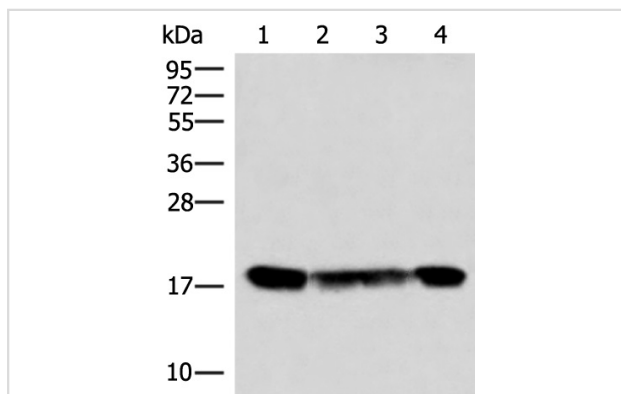
Product Name	PEMT Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB, IHC
Species Reactivity	Hu, Ms
Specificity	The antibody detects endogenous levels of total PEMT protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide of human PEMT
Target Name	PEMT
Other Names	PLMT; PNMT; PEAMT; PEMPT; PEMT2
Accession No.	Swiss-Prot#:Q9UBM1NCBI Gene ID:10400Gene Accssion:NP_009100
Calculated MW	22 kDa
Concentration	1.6
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

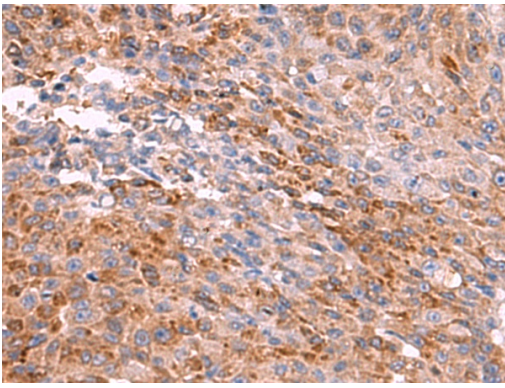
WB dilution:1:1000-5000

IHC dilution:1: 50-300

Images



Gel: 12%SDS-PAGE, Lysate: 40 μ g, Lane 1-4: Mouse liver tissue, HepG2, 293T and 231 cell lysates, Primary antibody:47675(PEMT Antibody) at dilution 1/800, Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution, Exposure time: 1 second



The image is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using 47675(PEMT Antibody) at dilution 1/55.(Original magnification: 200)

Background

Phosphatidylcholine (PC) is the most abundant mammalian phospholipid. This gene encodes an enzyme which converts phosphatidylethanolamine to phosphatidylcholine by sequential methylation in the liver. Another distinct synthetic pathway in nucleated cells converts intracellular choline to phosphatidylcholine by a three-step process. The protein isoforms encoded by this gene localize to the endoplasmic reticulum and mitochondria-associated membranes. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms.

Published Papers

el at., ATP8B1 Deficiency Results in Elevated Mitochondrial Phosphatidylethanolamine Levels and Increased Mitochondrial Oxidative Phosphorylation in Human Hepatoma Cells.In Int J Mol Sci. 2022 Oct 15 by Valentina E GF³mez-Mellado, Jung-Chin Chang , et al..PMID:36293199 , (2022)

[PMID:36293199](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.