LPCT4 Monoclonal Antibody

Catalog No	BYmab-05215
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	LPCAT4 AGPAT7 AYTL3 LPEAT2
Protein Name	Lysophospholipid acyltransferase LPCAT4 (EC 2.3.1.-) (1-acylglycerol-3-phosphate O-acyltransferase 7) (1-AGP acyltransferase 7) (1-AGPAT 7) (Acyltransferase-like 3) (Lysophosphatidylcholine acyltransf
Immunogen	Synthesized peptide derived from human protein . at AA range: 300-380
Specificity	LPCT4 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	57kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Widely expressed with predominant level in brain.
Function	caution:Was originally (PubMed:16243729) thought to be a lysophosphatidic acid acyltransferase based on sequence similarity but the mouse ortholog has been shown to be a lysophosphatidylcholine acyltransferase.,function:Converts lysophosphatidylcholine (LPC) to phosphatidycholine in the presence of acyl-CoA.,pathway:Lipid metabolism; phospholipid metabolism.,similarity:Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.,tissue specificity:Widely expressed. Expressed in uterus, thymus, pancreas, skeletal muscle, bladder, stomach, lung and testis.,
Background	Members of the 1-acylglycerol-3-phosphate O-acyltransferase (EC 2.3.1.51) family, such as AGPAT7, catalyze the conversion of lysophosphatidic acid (LPA)

	to phosphatidic acid (PA), a precursor in the biosynthesis of all glycerolipids. Both LPA and PA are involved in signal transduction (Ye et al., 2005 [PubMed 16243729]).[supplied by OMIM, May 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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