

LPCAT1 Recombinant Rabbit mAb

Catalog # AP96413

Product Information

Application	WB, IHC-P, IHC-F, IF
Predicted	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	59 KDa
Physical State	Liquid
Isotype	IgG/Kappa
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Lysophosphatidylcholine (LPC) acyltransferase (LPCAT; EC 2.3.1.23) catalyzes the conversion of LPC to phosphatidylcholine (PC) in the remodeling pathway of PC biosynthesis (Nakanishi et al., 2006 [PubMed 16704971]).[supplied by OMIM, May 2008]

Additional Information

Other Names	AGPAT10; AGPAT9; AYTL2; LPCAT-1; LPLAT8; PFAAP3; lpcat; lysoPAFAT; 2900035H07Rik; mLPCAT1; rd11; RGD1311599; PCAT1_HUMAN; LPCAT1; LPC acyltransferase 1; LysoPC acyltransferase 1; 1-acylglycerol-3-phosphate O-acyltransferase; 1-acylglycerophosphocholine O-acyltransferase; 1-alkenylglycerophosphocholine O-acyltransferase; 1-alkylglycerophosphocholine O-acetyltransferase; Acetyl-CoA:lyso-platelet-activating factor acetyltransferase (Acetyl-CoA:lyso-PAF acetyltransferase Lyso-PAF acetyltransferase LysoPAFAT); Acyltransferase-like 2; Phosphonoformate immuno-associated protein 3; 2.3.1.23; PCAT1_MOUSE; PCAT1_RAT; lysophosphatidylcholine acyltransferase 1; acyltransferase like 2; lysophospholipid acyltransferase 8
Dilution	WB=1:500-1000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	LPCAT1 Recombinant Rabbit mAb
Function	Possesses both acyltransferase and acetyltransferase activities. Activity is calcium-independent. Mediates the conversion of 1-acyl-sn-glycerol-3-phosphocholine (LPC) into phosphatidylcholine (PC).

Displays a clear preference for saturated fatty acyl-CoAs, and 1-myristoyl or 1-palmitoyl LPC as acyl donors and acceptors, respectively. May synthesize phosphatidylcholine in pulmonary surfactant, thereby playing a pivotal role in respiratory physiology.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.