
Product name:	LPCAT1 Rabbit Monoclonal Antibody
Cat number:	MABN02219
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant protein of human LPCAT1
Reactivity:	Human
Applications:	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
Molecular Weight:	Calculated MW: 59 kDa; Observed MW: 29 kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	Possesses both acyltransferase and acetyltransferase activities (PubMed:16864775, PubMed:21498505). Activity is calcium-independent . Mediates the conversion of 1-acyl-sn-glycero-3-phosphocholine (LPC) into phosphatidylcholine (PC) (PubMed:21498505). Displays a clear preference for saturated fatty acyl-CoAs, and 1-myristoyl or 1-palmitoyl LPC as acyl donors and acceptors, respectively (PubMed:16704971). May synthesize phosphatidylcholine in pulmonary surfactant, thereby playing a pivotal role in respiratory physiology (PubMed:16864775). Involved in the regulation of lipid droplet number and size (PubMed:25491198).