

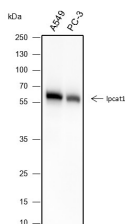
Recombinant LPCAT1 Monoclonal Antibody

catalog number: **AN301588L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

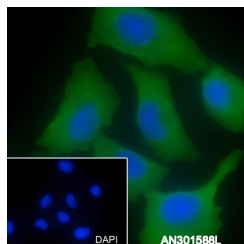
Description	
Reactivity	Human
Immunogen	Recombinant human LPCAT1 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C311211
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.
Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:50-1:100
IF	1:50

Data

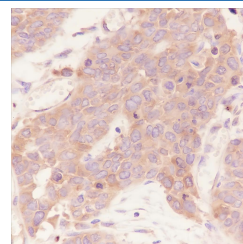


Western Blot with LPCAT1 Monoclonal Antibody at dilution of 1:1000. Lane 1: A549, Lane 2: PC-3

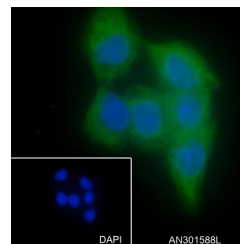
Observed-MW:59 kDa
Calculated-MW:59 kDa



Immunofluorescent analysis of (4% Paraformaldehyde) fixed A549 cells using anti-LPCAT1 Monoclonal Antibody at dilution of 1:50.



Immunohistochemistry of paraffin-embedded Human lung squamous carcinoma using LPCAT1 Monoclonal Antibody at dilution of 1:100.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed A431 cells using anti-LPCAT1 Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.1

Exhibits acyltransferase activity. Exhibits acetyltransferase activity. Activity is calcium-independent. Catalyzes the conversion of lysophosphatidylcholine (1-acyl-sn-glycero-3-phosphocholine or LPC) into phosphatidylcholine (1,2-diacyl-sn-glycero-3-phosphocholine or PC). Catalyzes the conversion 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone. Displays a clear preference for saturated fatty acyl-CoAs, and 1-myristoyl or 1-palmitoyl LPC as acyl donors and acceptors, respectively. Involved in platelet-activating factor (PAF) biosynthesis by catalyzing the conversion of the PAF precursor, 1-O-alkyl-sn-glycero-3-phosphocholine (lyso-PAF) into 1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine (PAF). May synthesize phosphatidylcholine in pulmonary surfactant, thereby playing a pivotal role in respiratory physiology. Involved in the regulation of lipid droplet number and size. Exhibits acyltransferase activity.