

A Reliable Research Partner in Life Science and Medicine

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
 A287

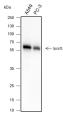
Purification Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

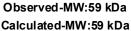
WB 1:500-1:1000
IHC 1:50-1:100
IF 1:50

Data

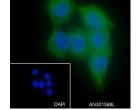


Western Blot with LPCAT1 Monoclonal Antibody at dilution of 1:1000. Lane 1: A549, Lane 2: PC-3

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







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

A431 cells using anti-LPCAT1 Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

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

Shipping Ice bag

Background

For Research Use Only

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 Rev. V1.0

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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 siExhibits acyltransferase activity.

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