SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
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Mouse Anti-LPCAT1 antibody

SLM-60587M

Product Name	LPCAT1
Chinese Name	溶血卵磷脂酰基转移酶 1 单克隆抗体
Alias	PCAT1_HUMAN; Lysophosphatidylcholine acyltransferase 1; AYTL2; PFAAP3; EC:2.3.1.23; LPC acyltransferase 1; LPCAT-1; LysoPC acyltransferase 1; 1-acylglycerol-3-phosphate O-acyltransferase. EC:2.3.1.51; 1-acylglycerophosphocholine O-acyltransferase; 1-alkenylglycerophosphocholine O-acyltransferase. EC:2.3.1.25; 1-alkylglycerophosphocholine O-acetyltransferase. EC:2.3.1.67; Acetyl-CoA:lyso-platelet-activating factor acetyltransferase (Acetyl-CoA:lyso-PAF acetyltransferase; Lyso-PAF acetyltransferase; LysoPAFAT);
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	D10F11
React Species	Human,Mouse
Applications	WB=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	59kDa
Detection molecular weight	59 kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
Lsotype	IgG2B/Kappa
Purification	Affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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Attention

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

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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]

SWISS:
Q8NF37

Gene ID:
79888

Database links:

Entrez Gene: 79888 Human

Entrez Gene: 210992 Mouse

Product Detail

SwissProt: Q8NF37 Human

SwissProt: Q3TFD2 Mouse

具有酰基转移酶活性。表现出乙酰转移酶活性，且活性不依赖于钙。催化溶血磷脂酰胆碱（1-酰基-sn-甘油-3-磷酸胆碱或 LPC）转化为磷脂酰胆碱（1,2-二酰基-sn-甘油-3-磷酸胆碱或 PC）。催化 1-酰基-sn-甘油-3-磷酸（溶血磷脂酸或 LPA）转化为 1,2-二酰基-sn-甘油-3-磷酸（磷脂酸或 PA），通过在甘油主链的 sn-2 位置结合酰基部分，显示出对饱和脂肪酰辅酶 a 和 1-肉豆蔻酰或 1-棕榈酰 LPC 的明显偏好，分别作为酰基供体和受体。通过催化 PAF 前体 1-O-烷基-sn-甘油-3-磷酸胆碱（lyso-PAF）转化为 1-O-烷基-2-乙酰-sn-甘油-3-磷酸胆碱（PAF）参与血小板活化因子（PAF）生物合成。可能在肺表面活性物质中合成磷脂酰胆碱，从而在呼吸生理中发挥关键作用。参与调节脂滴的数量和大小。

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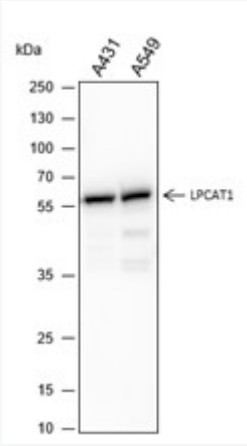
Product Picture



Blocking buffer: 5% NFDM/TBST

Primary ab dilution: 1:1000

Primary ab incubation condition: room temperature 2h

Secondary ab: Goat Anti-Mouse IgG H&L (HRP)

Lysate: A431, A549

Protein loading quantity: 20 μg

Exposure time: 10 s

Predicted MW: 55 kDa

Observed MW: 55 kDa

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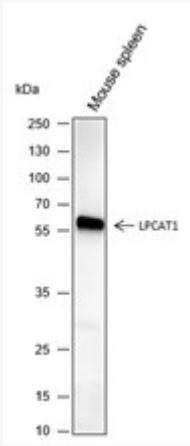

Blocking buffer: 5% NFDM/TBST

Primary ab dilution: 1:1000

Primary ab incubation condition: 4℃ overnight

Secondary ab: Goat Anti-Mouse IgG H&L (HRP)

Lysate: Mouse spleen

Protein loading quantity: 20 μg

Exposure time: 30 s

Predicted MW: 55 kDa

Observed MW: 55 kDa