

## anti- LPCAT1 antibody

### Product Information

Catalog No.:	FNab04825
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Possesses both acyltransferase and acetyltransferase activities (PubMed:16864775, PubMed:21498505). Activity is calcium-independent (By similarity). 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).

### Immunogen information

Immunogen:	lysophosphatidylcholine acyltransferase 1
Synonyms:	AYTL2, PFAAP3
Observed MW:	59 kDa
UniprotID :	Q8NF37

### Application

### Wuhan Fine Biotech Co., Ltd.

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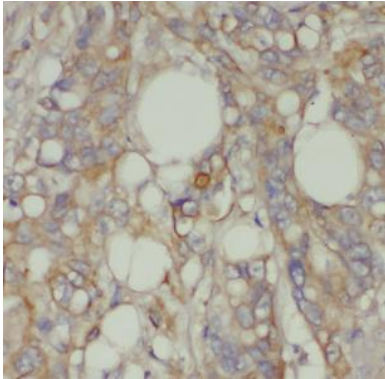
Fax: (0086)027-87800889 [www.fn-test.com](http://www.fn-test.com)

Reactivity: Human, Mouse, Rat

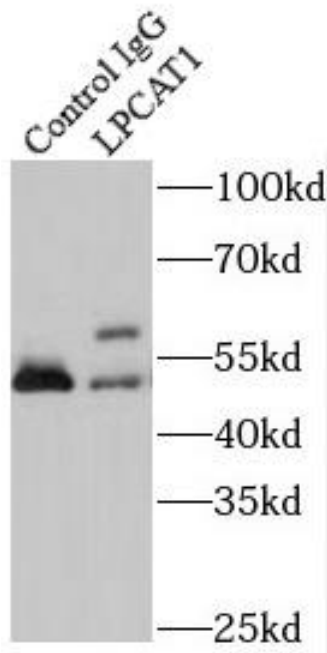
Tested Application: ELISA, IF, WB, IP, IHC

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:2000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human colon cancer slide using FNab04825(LPCAT1 Antibody) at dilution of 1:100



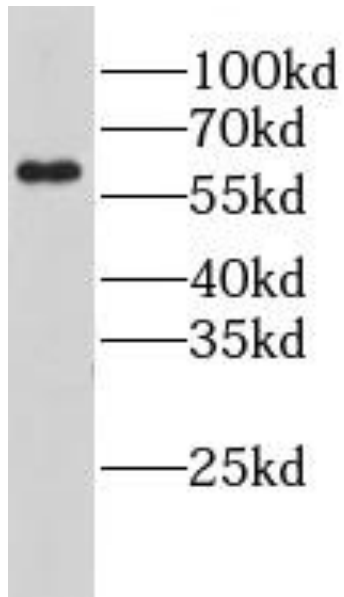
IP Result of anti-LPCAT1 (IP:FNab04825, 3ug; Detection:FNab04825 1:4000) with mouse brain tissue lysate 3600ug.

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human lung tissue were subjected to SDS PAGE followed by western blot with FNab04825(LPCAT1 antibody) at dilution of 1:4000