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Datasheet for ABIN7115970  
**anti-LPCAT1 antibody**

### Overview

Quantity:	100 µg
Target:	LPCAT1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LPCAT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP), Immunofluorescence (IF)

### Product Details

Immunogen:	lysophosphatidylcholine acyltransferase 1
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	LPCAT1
Alternative Name:	LPCAT1 ( <a href="#">LPCAT1 Products</a> )
Background:	Synonyms:AYTL2, PFAAP3 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

## Target Details

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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).

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Molecular Weight: 59 kDa

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Gene ID: 79888

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UniProt: [Q8NF37](#)

## Application Details

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Application Notes: WB: 1:500-1:2000, IP: 1:200-1:2000, IHC: 1:20-1:200, IF: 1:20-1:200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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Expiry Date: 12 months