

# LPCAT1 Rabbit pAb

Catalog No.: A4987 **3 Publications**

## Basic Information

### Observed MW

59kDa

### Calculated MW

59kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a member of the 1-acyl-sn-glycerol-3-phosphate acyltransferase family of proteins. The encoded enzyme plays a role in phospholipid metabolism, specifically in the conversion of lysophosphatidylcholine to phosphatidylcholine in the presence of acyl-CoA. This process is important in the synthesis of lung surfactant and platelet-activating factor (PAF). Elevated expression of this gene may contribute to the progression of oral squamous cell, prostate, breast, and other human cancers.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IF/ICC** 1:50 - 1:200

## Immunogen Information

### Gene ID

79888

### Swiss Prot

Q8NF37

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 325-534 of human LPCAT1 (NP\_079106.3).

### Synonyms

AYTL2; lpcat; AGPAT9; LPLAT8; PFAAP3; AGPAT10; LPCAT-1; lysoPAFAT; LPCAT1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

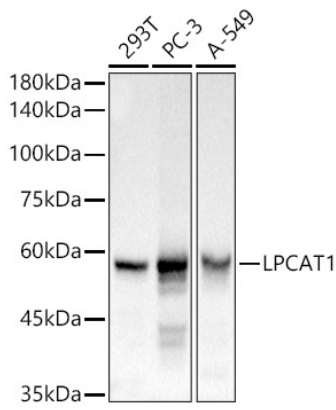
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

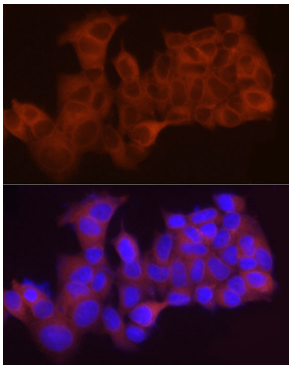
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of various lysates, using LPCAT1 antibody (A4987) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



Immunofluorescence analysis of MCF7 cells using LPCAT1 Rabbit pAb (A4987) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.