

Datasheet for ABIN7158752  
**anti-LPCAT2 antibody (AA 442-544)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µg
Target:	LPCAT2
Binding Specificity:	AA 442-544
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LPCAT2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Lysophosphatidylcholine acyltransferase 2 protein (442-544AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	LPCAT2
Alternative Name:	LPCAT2 ( <a href="#">LPCAT2 Products</a> )
Background:	Background: Possesses both acyltransferase and acetyltransferase activities. Activity is calcium-dependent. Involved in platelet-activating factor (PAF) biosynthesis by catalyzing the

## Target Details

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). Also converts lyso-PAF to 1-O-alkyl-2-acyl-sn-glycero-3-phosphocholine (PC), a major component of cell membranes and a PAF precursor. Under resting conditions, acyltransferase activity is preferred. Upon acute inflammatory stimulus, acetyltransferase activity is enhanced and PAF synthesis increases. Also catalyzes the conversion of 1-acyl-sn-glycero-3-phosphocholine to 1,2-diacyl-sn-glycero-3-phosphocholine.

Aliases: 1 acylglycerophosphocholine O acyltransferase antibody, 1 alkylglycerophosphocholine O acetyltransferase antibody, 1-acylglycerophosphocholine O-acyltransferase antibody, 1-alkylglycerophosphocholine O-acetyltransferase antibody, A330042H22 antibody, Acetyl CoA:lyso PAF acetyltransferase antibody, Acetyl-CoA:lyso-PAF acetyltransferase antibody, Acetyl-CoA:lyso-platelet-activating factor acetyltransferase antibody, acyl CoA:lysophosphatidylcholine acyltransferase 2 antibody, Acyl-CoA:lysophosphatidylcholine acyltransferase member 1 antibody, Acyltransferase like 1 antibody, Acyltransferase like 1A antibody, Acyltransferase-like 1 antibody, AYTL1 antibody, Ayt11a antibody, DKFZp686H22112 antibody, FLJ20481 antibody, lpafat1 antibody, LPC acyltransferase 2 antibody, LPCAT-2 antibody, LPCAT2 antibody, Lyso PAF acetyltransferase antibody, Lyso platelet activating factor (PAF) acetyltransferase antibody, Lyso-PAF acetyltransferase antibody, LysoPAFAT antibody, LysoPAFAT/LPCAT2 antibody, LysoPC acyltransferase 2 antibody, Lysophosphatidylcholine acyltransferase 2 antibody, OTTMUSP00000029641 antibody, PCAT2\_HUMAN antibody, RGD1563994 antibody

UniProt: [Q7L5N7](#)

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

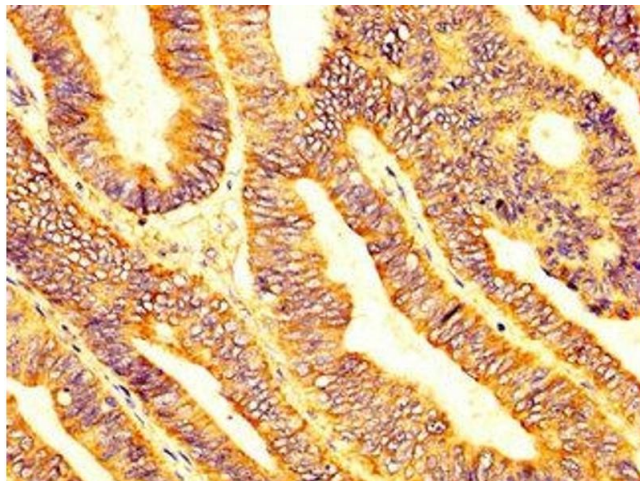
## Handling

handled by trained staff only.

Storage: -20 °C,-80 °C

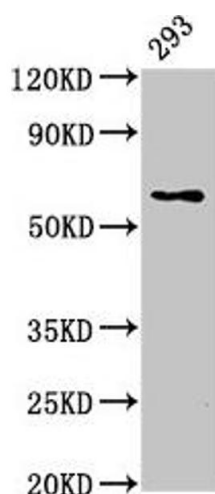
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



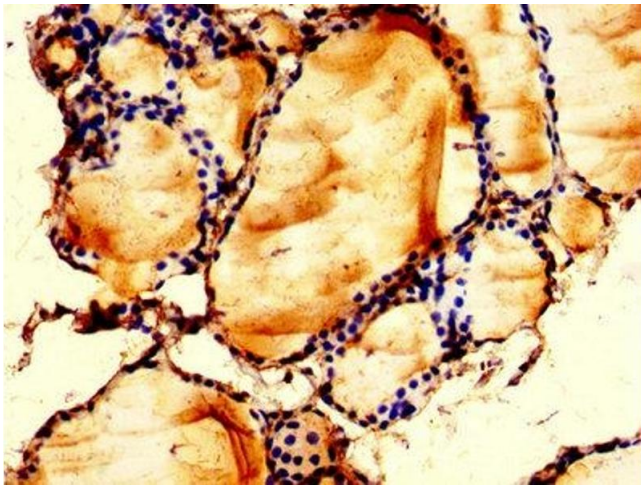
### Immunohistochemistry

**Image 1.** IHC image of ABIN7158752 diluted at 1:200 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: 293 whole cell lysate All lanes: LPCAT2 antibody at 5 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 61, 31 kDa Observed band size: 61 kDa



### Immunohistochemistry

**Image 3.** IHC image of ABIN7158752 diluted at 1:200 and staining in paraffin-embedded human thyroid tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.