

Rabbit LPCAT2 Polyclonal Antibody | anti-LPCAT2 antibody

LPCAT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324417	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

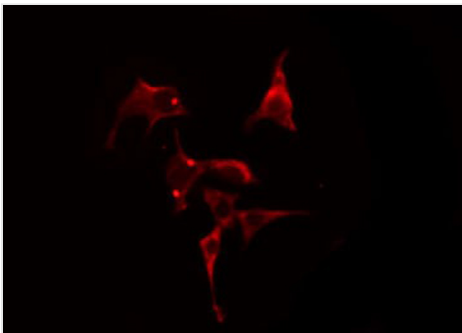
PRODUCT SYNONYMS

LPCAT2; Polyclonal Antibody; LPCAT2 Antibody; 1 acylglycerophosphocholine O acyltransferase; 1 alkylglycerophosphocholine O acetyltransferase; 1-acylglycerophosphocholine O-acyltransferase; 1-alkylglycerophosphocholine O-acetyltransferase; A330042H22; Acetyl CoA:lyso PAF acetyltransferase; Acetyl-CoA:lyso-PAF acetyltransferase; Acetyl-CoA:lyso-platelet-activating factor acetyltransferase; acyl CoA:lysophosphatidylcholine acyltransferase 2; Acyl-CoA:lysophosphatidylcholine acyltransferase member 1; Acyltransferase like 1A; Acyltransferase-like 1; AYTL1; Aylt1a; DKFZp686H22112; FLJ20481; lpafat1; LPC acyltransferase 2; LPCAT-2; Lyso PAF acetyltransferase; Lyso platelet activating factor (PAF) acetyltransferase; Lyso-PAF acetyltransferase; LysoPAFAT; LysoPAFAT/LPCAT2; LysoPC acyltransferase 2; Lysophosphatidylcholine acyltransferase 2; OTTMUSP00000029641; PCAT2_HUMAN; RGD1563994; anti-LPCAT2 antibody

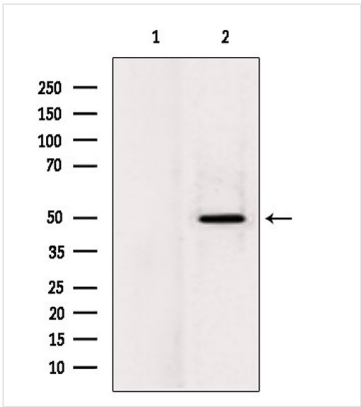
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LPCAT2 antibody detects endogenous levels of total LPCAT2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	544
Applicable Applications for anti-LPCAT2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane. Golgi Apparatus Membrane.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

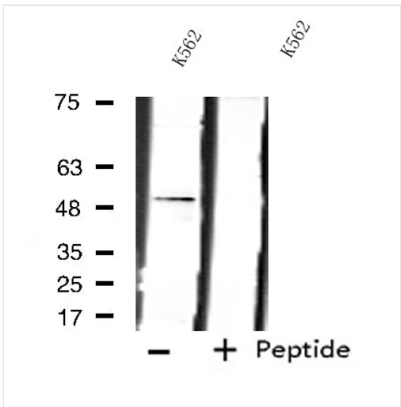
IMAGES



IF (Immunofluorescence)
AAA324417 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from rat heart, using LPCAT2 Antibody. Lane 1 was treated with the blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from K562 cells using LPCAT2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-LPCAT2 antibody	Function: Possesses both acyltransferase and acetyltransferase activities. Activity is calcium-dependent. Involved in platelet-activating factor (PAF) biosynthesis by catalyzing the 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. Similarity: The HXXXXD motif is essential for acyltransferase activity. Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47086907
NCBI GeneID	54947
NCBI Accession #	NP_060309.2
NCBI GenBank Nucleotide #	NM_017839.4
UniProt Accession #	Q7L5N7; Q6MZJ6; Q9NX23; A3KBM1
Molecular Weight	Observed: 50 kD Predicted: 61 kDa

NCBI Official Full Name	lysophosphatidylcholine acyltransferase 2
NCBI Official Synonym Full Names	lysophosphatidylcholine acyltransferase 2
NCBI Official Symbol	LPCAT2
NCBI Official Synonym Symbols	AYTL1; AGPAT11; LysoPAFAT
NCBI Protein Information	lysophosphatidylcholine acyltransferase 2
UniProt Protein Name	Lysophosphatidylcholine acyltransferase 2
UniProt Gene Name	LPCAT2
UniProt Synonym Gene Names	AGPAT11; AYTL1; LPC acyltransferase 2; LPCAT-2; LysoPC acyltransferase 2; 1-AGP acyltransferase 11; 1-AGPAT 11; Acetyl-CoA:lyso-PAF acetyltransferase; Lyso-PAF acetyltransferase; LysoPAFAT; LPAAT-alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lpcat2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324417>