

Rabbit anti-Human LPCAT2 Polyclonal Antibody | anti-LPCAT2 antibody

LPCAT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234078	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

LPCAT2; Polyclonal Antibody; LPCAT2 Antibody; Lysophosphatidylcholine acyltransferase 2; LPC acyltransferase 2; LPCAT-2; LysoPC acyltransferase 2; 1-acylglycerol-3-phosphate O-acyltransferase 11; Acetyl-CoA:lyso-platelet-activating factor acetyltransferase; Acetyl-CoA:lyso-PAF acetyltransferase; Lyso-PAF acetyltransferase; LysoPAFAT; Acyltransferase-like 1; Lysophosphatidic acid acyltransferase alpha; LPAAT-alpha; 1-AGP acyltransferase 11; 1-AGPAT 11; 1-acylglycerophosphocholine O-acyltransferase; 1-alkylglycerophosphocholine O-acetyltransferase; AGPAT11; AYTL1; anti-LPCAT2 antibody

PRODUCT SPECIFICATIONS

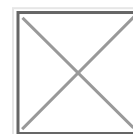
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	544
Applicable Applications for anti-LPCAT2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Lysophosphatidylcholine acyltransferase 2 protein (442-544AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image of AAA234078 diluted at 1:200 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM 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 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234078 diluted at 1:200 and staining in paraffin-embedded human thyroid tissue performed on a Leica BondTM 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 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: 293 whole cell lysateAll lanes: LPCAT2 antibody at 5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 61, 31 KDaObserved band size: 61 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-LPCAT2 antibody	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.
Product Categories/Family for anti-LPCAT2 antibody	Metabolism; Signal Transduction

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	30,895 Da
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-immunohistochemistry-western-blot-elisa/234078>