



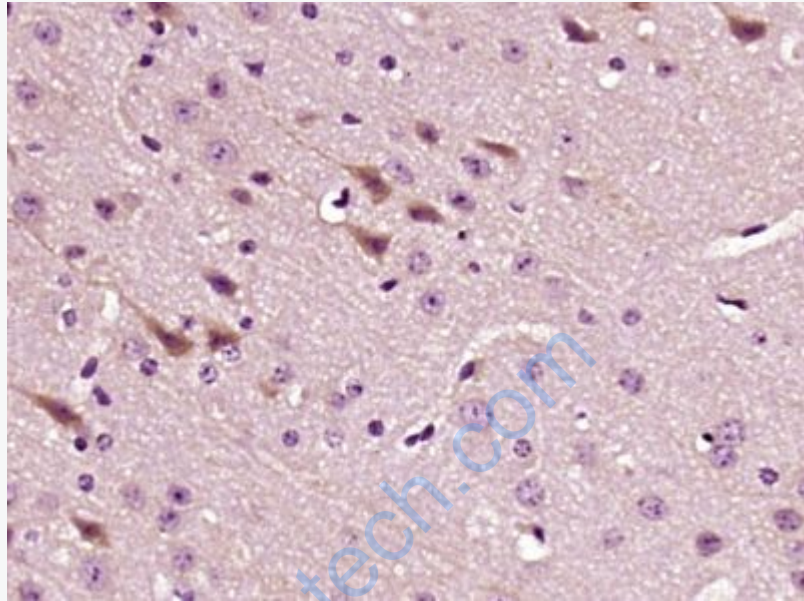
Rabbit Anti-LPCAT2 antibody

SL10742R

Product Name:	LPCAT2
Chinese Name:	磷脂酰基转移酶2抗体
Alias:	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; Ayt11a; DKFZp686H22112; FLJ20481; lpafat1; LPC acyltransferase 2; LPCAT-2; LPCAT2; 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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	60kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LPCAT2:131-230/544
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

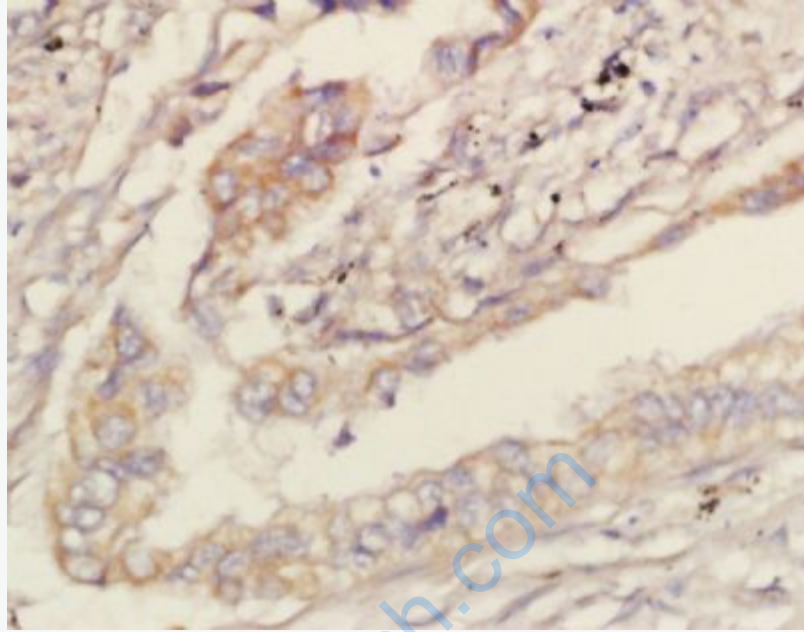
	when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>This gene encodes a member of the lysophospholipid acyltransferase family. The encoded enzyme may function in two ways: to catalyze the biosynthesis of platelet-activating factor (1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine) from 1-O-alkyl-sn-glycero-3-phosphocholine, and to catalyze the synthesis of glycerophospholipid precursors from arachidonyl-CoA and lysophosphatidylcholine. The encoded protein may function in membrane biogenesis and production of platelet-activating factor in inflammatory cells. The enzyme may localize to the endoplasmic reticulum and the Golgi. [provided by RefSeq, Feb 2009].</p> <p>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-alkyl-phosphatidylcholine (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.</p> <p>Subcellular Location: Endoplasmic reticulum membrane. Golgi apparatus membrane.</p> <p>Similarity: Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family. Contains 2 EF-hand domains.</p> <p>SWISS: Q7L5N7</p> <p>Gene ID: 54947</p> <p>Database links: Entrez Gene: 54947Human Omim: 612040Human SwissProt: Q7L5N7Human Unigene: 460857Human</p> <p>Important Note:</p>

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

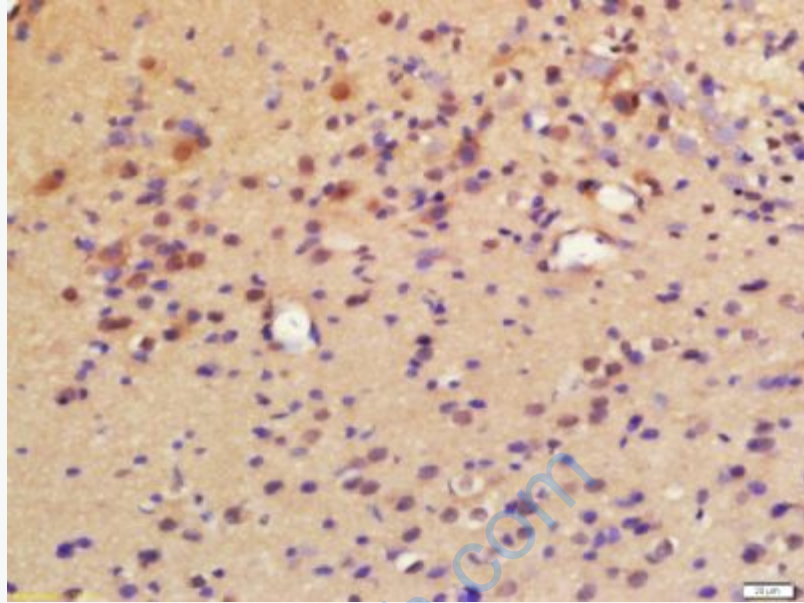
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LPCAT2) Polyclonal Antibody, Unconjugated (SL10742R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-LPCAT2 Polyclonal Antibody, Unconjugated(SL10742R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-LPCAT2 Polyclonal Antibody, Unconjugated(SL10742R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining