





LPCAT2 Monoclonal Antibody

Catalog No	YP-mAb-02662
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	LPCAT2
Protein Name	Lysophosphatidylcholine acyltransferase 2
Immunogen	The antiserum was produced against synthesized peptide derived from human LPCAT2. AA range:321-370
Specificity	LPCAT2 Monoclonal Antibody detects endogenous levels of LPCAT2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LPCAT2; AYTL1; Lysophosphatidylcholine acyltransferase 2; LPC acyltransferase 2; LPCAT-2; LysoPC acyltransferase 2; 1-acylglycerophosphocholine O-acyltransferase; 1-alkylglycerophosphocholine O-acetyltransferase; Acetyl-CoA:lyso-platelet-ac
Observed Band	50kD
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass type II membrane protein . Golgi apparatus membrane ; Single-pass type II membrane protein . Cell membrane ; Single-pass type II membrane protein . Lipid droplet .
Tissue Specificity	Carcinoma,Fetal kidney,Kidney,
Function	catalytic activity:Acetyl-CoA + 1-alkyl-sn-glycero-3-phosphocholine = CoA + 2-acetyl-1-alkyl-sn-glycero-3-phosphocholine.,catalytic activity:Acyl-CoA + 1-acyl-sn-glycero-3-phosphocholine = CoA + 1,2-diacyl-sn-glycero-3-phosphocholine.,domain:The HXXXXD motif is essential for acyltransferase activity.,enzyme regulation:Acetyltransferase activity is increased following acute inflammatory stimulation by lipopolysaccharide (LPS). Acyltransferase activity is unchanged.,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



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1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine (PAF). Also converts lyso-PAF t	0
1-alkyl-phosphatidylcholine (PC), a major component of cell membranes and a	
PAF pre	

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 Goldi. Inrovided by

enzyme may localize to the endoplasmic reticulum and the Golgi. [provided by RefSeq, Feb 2009],

matters needing attention

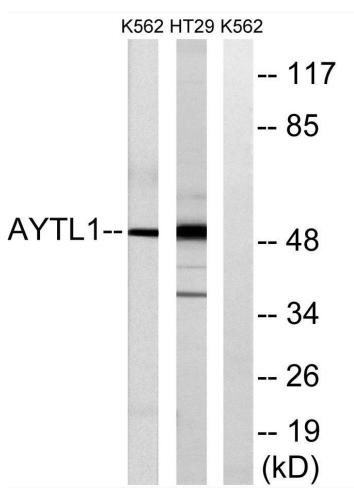
Background

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using LPCAT2 Monoclonal Antibody