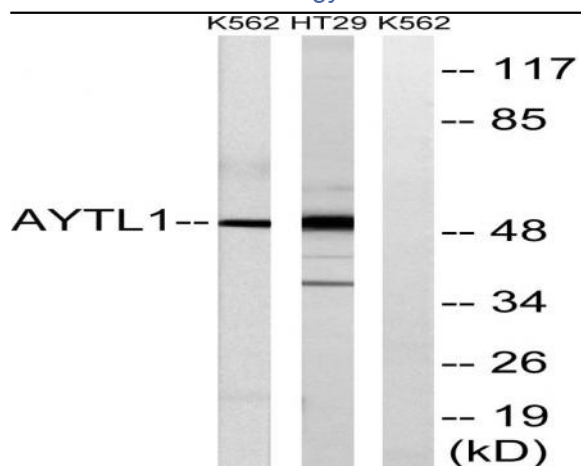


LPCAT2 Polyclonal Antibody

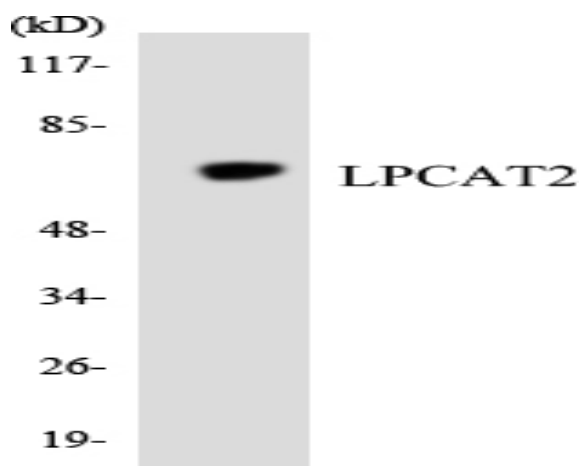
Catalog No :	YT2585
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC
Target :	LPCAT2
Fields :	>>Glycerophospholipid metabolism;>>Ether lipid metabolism;>>Metabolic pathways
Gene Name :	LPCAT2
Protein Name :	Lysophosphatidylcholine acyltransferase 2
Human Gene Id :	54947
Human Swiss Prot No :	Q7L5N7
Mouse Gene Id :	270084
Mouse Swiss Prot No :	Q8BYI6
Rat Swiss Prot No :	P0C1Q3
Immunogen :	The antiserum was produced against synthesized peptide derived from human LPCAT2. AA range:321-370
Specificity :	LPCAT2 Polyclonal Antibody detects endogenous levels of LPCAT2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	50kD
Background :	<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>
Function :	<p>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 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 pre</p>
Subcellular Location :	<p>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 .</p>
Expression :	Carcinoma,Fetal kidney,Kidney,

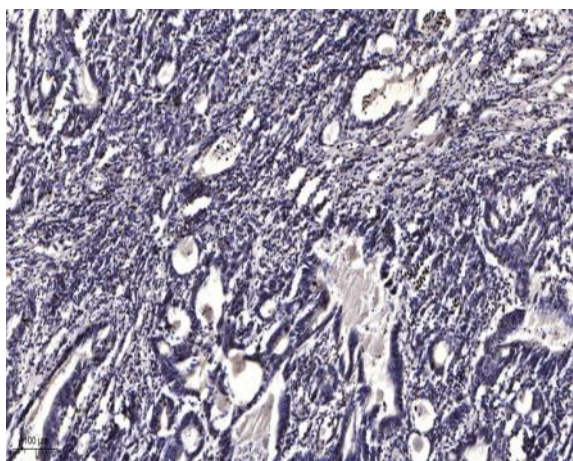
Products Images



Western blot analysis of lysates from K562 and HT-29 cells, using LPCAT2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using LPCAT2 antibody.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).