
Product Name: LPAAT- δ Rabbit Polyclonal Antibody**Catalog #: APRab13382**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight	44kDa

Antigen Information

Gene Name	AGPAT4 AGPAT4; 1-acyl-sn-glycerol-3-phosphate acyltransferase delta; 1-acylglycerol-3-phosphate
Alternative Names	O-acyltransferase 4; 1-AGP acyltransferase 4; 1-AGPAT 4; Lysophosphatidic acid acyltransferase delta; LPAAT-delta
Gene ID	56895.0
SwissProt ID	Q9NRZ5
Immunogen	The antiserum was produced against synthesized peptide derived from human AGPAT4. AA range:151-200

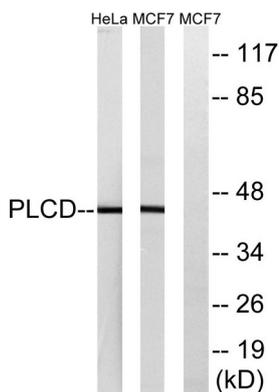
Background

This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. This integral membrane protein converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. [provided by RefSeq, Jul 2008],catalytic activity:Acyl-CoA + 1-acyl-sn-glycerol 3-phosphate = CoA + 1,2-diacyl-sn-glycerol 3-phosphate.,domain:The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate.,function:Converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2 position of the glycerol backbone.,pathway:Phospholipid metabolism; CDP-diacylglycerol biosynthesis; CDP-diacylglycerol from sn-glycerol 3-phosphate: step 2/3.,similarity:Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.,

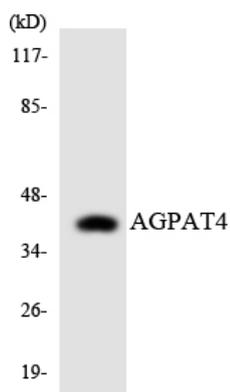
Research Area

Glycerolipid metabolism;Glycerophospholipid metabolism;Ether lipid metabolism;

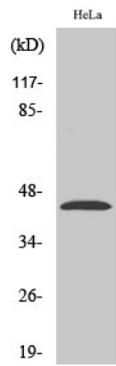
Image Data



Western blot analysis of lysates from HeLa and MCF-7 cells, using AGPAT4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using AGPAT4 antibody.



Western Blot analysis of various cells using LPAAT- δ Polyclonal Antibody diluted at 1: 500