

Summary

Production Name	LPAAT- δ Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

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

Application

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

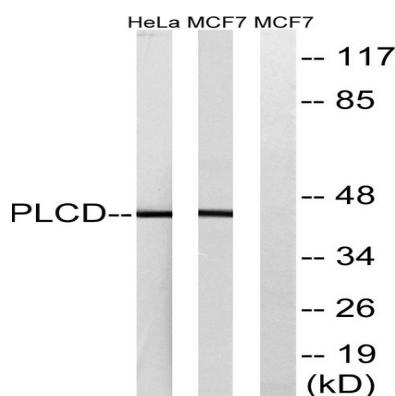
Background

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.,

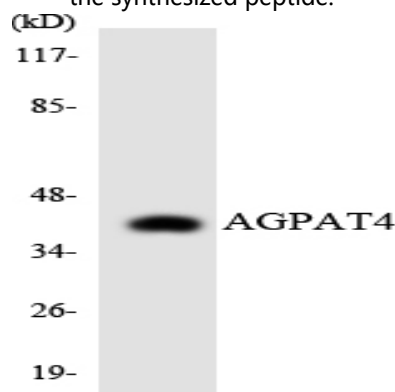
Research Area

Glycerolipid metabolism;Glycerophospholipid metabolism;Ether lipid metabolism;

Image Data

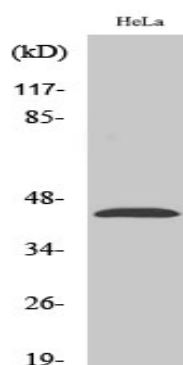


Western blot analysis of lysates from HeLa and MCF-7 cells, using AGPAT4 Antibody. The lane on the right is blocked with the synthesized peptide.



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

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



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

Note

For research use only.