



LPAAT- δ Monoclonal Antibody

Catalog No	YP-mAb-02659
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	AGPAT4
Immunogen	The antiserum was produced against synthesized peptide derived from human AGPAT4. AA range:151-200
Specificity	LPAAT- δ Monoclonal Antibody detects endogenous levels of LPAAT- δ 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	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	1 AGP acyltransferase 4;1 AGPAT 4;1 AGPAT4;1-acylglycerol-3-phosphate O-acyltransferase 4;1-acyl-sn-glycerol-3-phosphate acyltransferase delta;LPAAT- δ ; AGPAT4;1-AGP acyltransferase 4;1-AGPAT 4;Lysophosphatidic acid acyltransferase delta;LPAAT-delta
Observed Band	44kD
Calculated Molecular Weight	44kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Widely expressed with highest levels in skeletal muscle, followed by heart, liver, prostate and thymus.
Function	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.,



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],

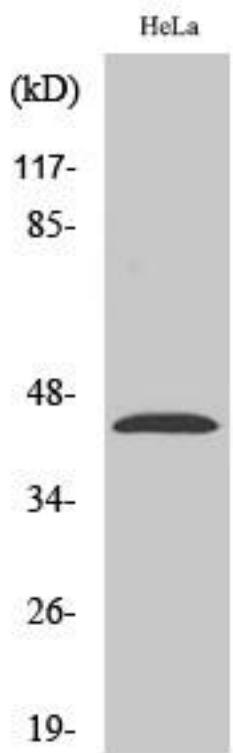
matters needing attention

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 LPAAT- δ Monoclonal Antibody