



LPAAT-ε Monoclonal Antibody

Catalog No	YP-mAb-02660
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	AGPAT5
Immunogen	The antiserum was produced against synthesized peptide derived from human AGPAT5. AA range:241-290
Specificity	LPAAT-ε Monoclonal Antibody detects endogenous levels of LPAAT-ε 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	LPAAT-ε;AGPAT5;1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon;1-acylglycerol-3-phosphate O-acyltransferase 5;1-AGP acyltransferase 5;1-AGPAT 5;Lysophosphatidic acid acyltransferase epsilon;LPAAT-epsilon
Observed Band	45kD
Calculated Molecular Weight	45kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Nucleus envelope . Mitochondrion .
Tissue Specificity	Widely expressed.
Function	catalytic activity:Acyl-CoA + 1-acyl-sn-glycerol 3-phosphate = CoA + 1,2-diacyl-sn-glycerol 3-phosphate.,caution:It is uncertain whether Met-1 or Met-12 is the initiator.,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. A pseudogene of this gene is present on the Y chromosome. [provided by RefSeq, Aug 2014],

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

