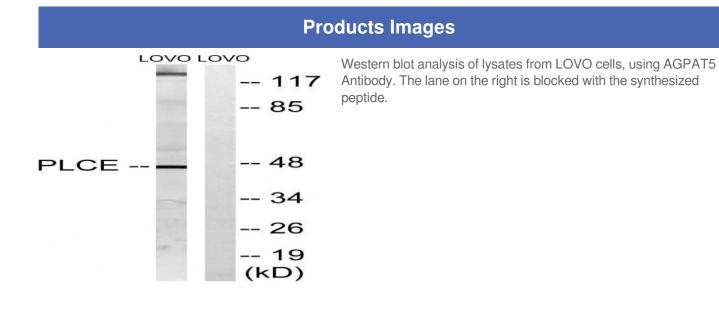


LPAAT-ε Polyclonal Antibody

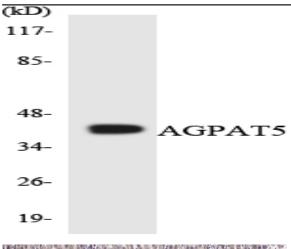
Catalog No :	YT2583
Reactivity :	Human;Mouse
Applications :	WB;IHC
Target :	LPAAT-ε
Fields :	>>Glycerolipid metabolism;>>Glycerophospholipid metabolism;>>Metabolic pathways;>>Phospholipase D signaling pathway
Gene Name :	AGPAT5
Protein Name :	1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon
Human Gene Id :	55326
Human Swiss Prot No :	Q9NUQ2
Mouse Swiss Prot No :	Q9D1E8
Immunogen :	The antiserum was produced against synthesized peptide derived from human AGPAT5. AA range:241-290
Specificity :	LPAAT-ɛ Polyclonal Antibody detects endogenous levels of LPAAT-ɛ 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)



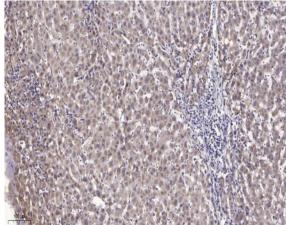
Best Tools for Immunology Research	
Observed Band :	45kD
Cell Pathway :	Stem cell pathway
-	
Background :	This gene encodes a member of the 1-acylglycerol-3-phosphate O- acyltransferase family. This integral membrane protein converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. A pseudogene of this gene is present on the Y chromosome. [provided by RefSeq, Aug 2014],
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.,
Subcellular Location :	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Nucleus envelope . Mitochondrion .
Expression :	Widely expressed.







Western blot analysis of the lysates from HeLa cells using AGPAT5 antibody.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 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).