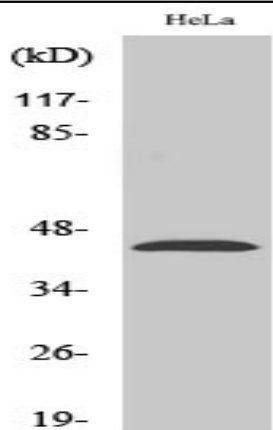


LPAAT- δ Polyclonal Antibody

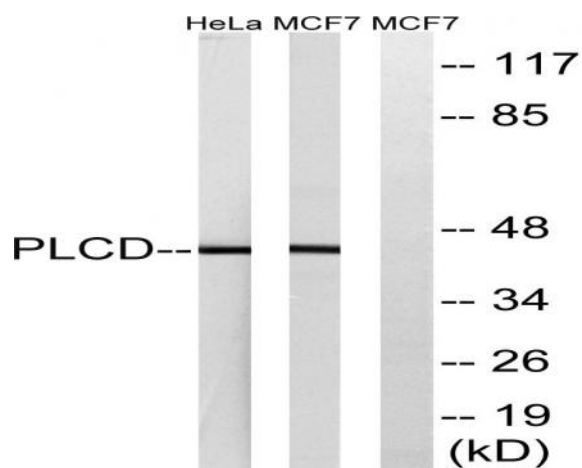
Catalog No :	YT2582
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC
Target :	LPAAT- δ
Fields :	>>Glycerolipid metabolism;>>Glycerophospholipid metabolism;>>Metabolic pathways;>>Phospholipase D signaling pathway
Gene Name :	AGPAT4
Protein Name :	1-acyl-sn-glycerol-3-phosphate acyltransferase delta
Human Gene Id :	56895
Human Swiss Prot No :	Q9NRZ5
Mouse Gene Id :	68262
Mouse Swiss Prot No :	Q8K4X7
Rat Gene Id :	170919
Rat Swiss Prot No :	Q924S1
Immunogen :	The antiserum was produced against synthesized peptide derived from human AGPAT4. AA range:151-200
Specificity :	LPAAT- δ Polyclonal Antibody detects endogenous levels of LPAAT- δ 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)
Observed Band :	44kD
Cell Pathway :	Glycerolipid metabolism;Glycerophospholipid metabolism;Ether lipid metabolism;
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],
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.,
Subcellular Location :	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Expression :	Widely expressed with highest levels in skeletal muscle, followed by heart, liver, prostate and thymus.

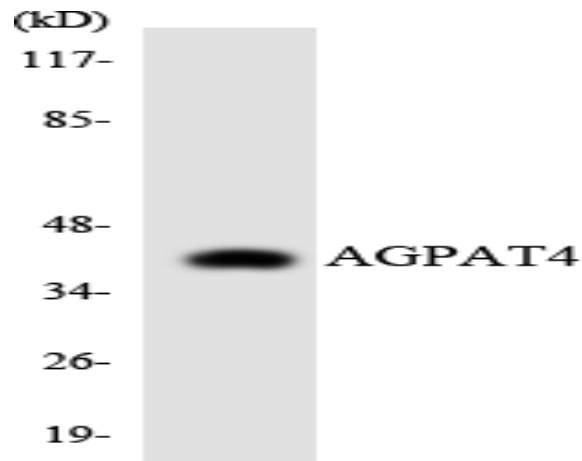
Products Images



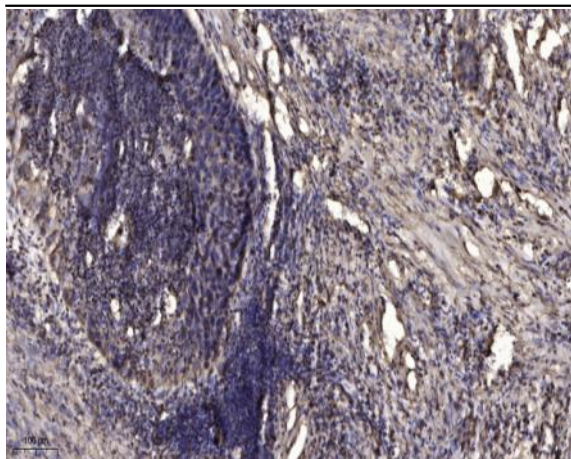
Western Blot analysis of various cells using LPAAT- δ Polyclonal Antibody diluted at 1:500



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.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 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).