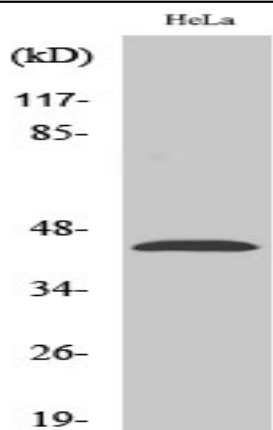


LPAAT- δ Polyclonal Antibody

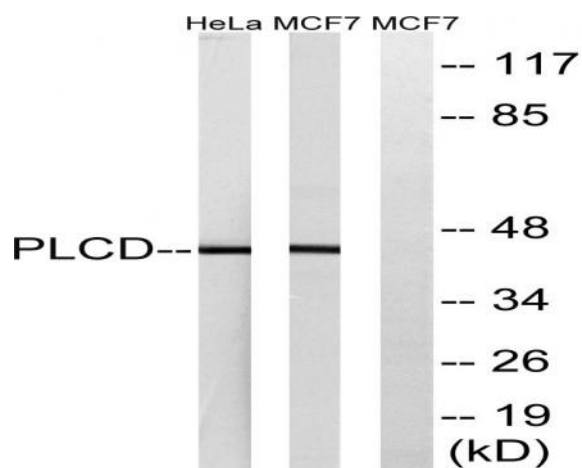
| | |
|------------------------------|---|
| Catalog No : | YT2582 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB;IHC |
| Target : | LPAAT- δ |
| Fields : | >>Glycerolipid metabolism;>>Glycerophospholipid metabolism;>>Metabolic pathways;>>Phospholipase D signaling pathway |
| Gene Name : | 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. |
| Sort : | 9227 |
| No4 : | 1 |
| Host : | Rabbit |
| Modifications : | Unmodified |

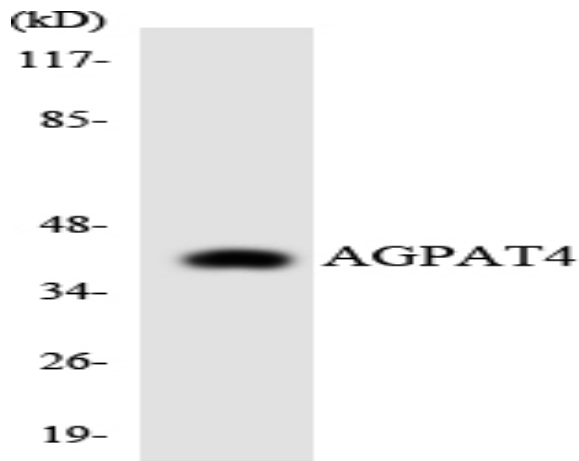
Products Images



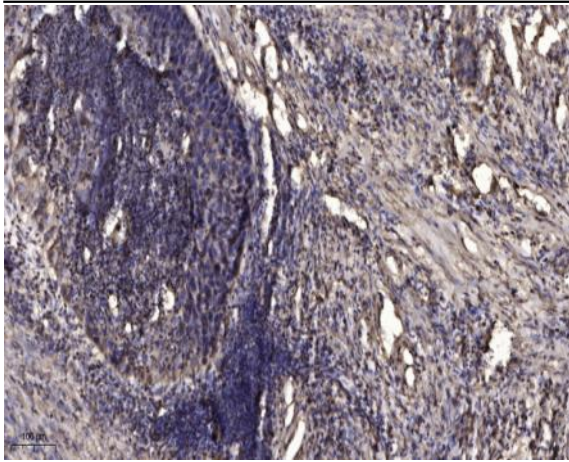
Western Blot analysis of various cells using LPAAT- δ Polyclonal Antibody diluted at 1:500



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).