

## LPAAT- $\gamma$ Polyclonal Antibody

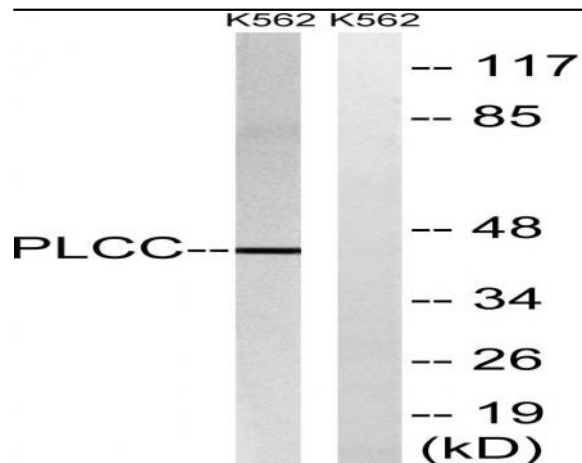
<b>Catalog No :</b>	YT2581
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	LPAAT- $\gamma$
<b>Fields :</b>	>>Glycerolipid metabolism;>>Glycerophospholipid metabolism;>>Metabolic pathways;>>Phospholipase D signaling pathway
<b>Gene Name :</b>	AGPAT3
<b>Protein Name :</b>	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma
<b>Human Gene Id :</b>	56894
<b>Human Swiss Prot No :</b>	Q9NRZ7
<b>Mouse Gene Id :</b>	28169
<b>Mouse Swiss Prot No :</b>	Q9D517
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human AGPAT3. AA range:121-170
<b>Specificity :</b>	LPAAT- $\gamma$ Polyclonal Antibody detects endogenous levels of LPAAT- $\gamma$ protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

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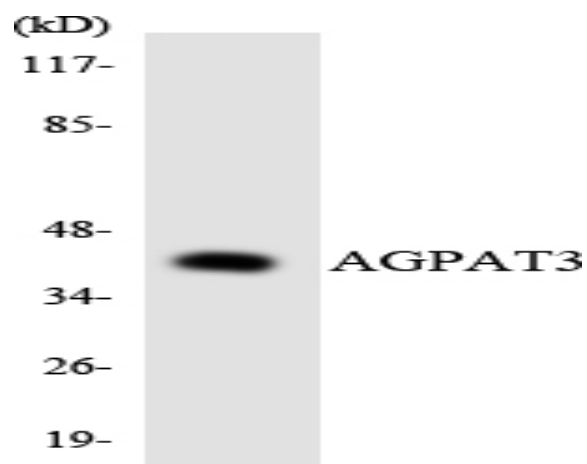
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	40kD
<b>Cell Pathway :</b>	Glycerolipid metabolism;Glycerophospholipid metabolism;Ether lipid metabolism;
<b>Background :</b>	The protein encoded by this gene is an acyltransferase that converts lysophosphatidic acid into phosphatidic acid, which is the second step in the de novo phospholipid biosynthetic pathway. The encoded protein may be an integral membrane protein. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Nucleus envelope .
<b>Expression :</b>	Widely expressed with highest levels in testis, pancreas and kidney, followed by spleen, lung, adipose tissue and liver.
<b>Sort :</b>	9226
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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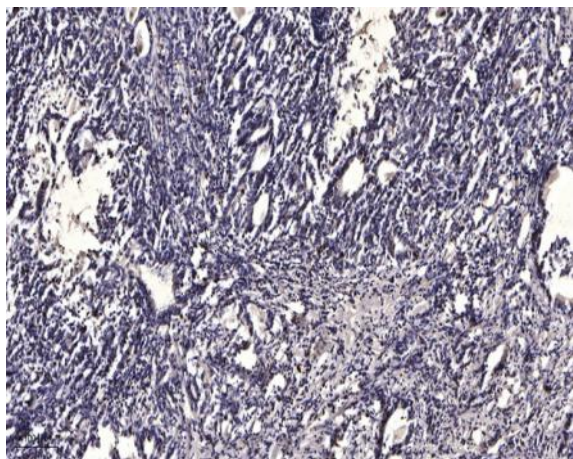
## Products Images



Western blot analysis of lysates from K562 cells, using AGPAT3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using AGPAT3 antibody.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 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).