

LPAAT-γ Rabbit pAb

CatalogNo: YT2581

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA, IHC

MW

- 40kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

ELISA 1:2000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

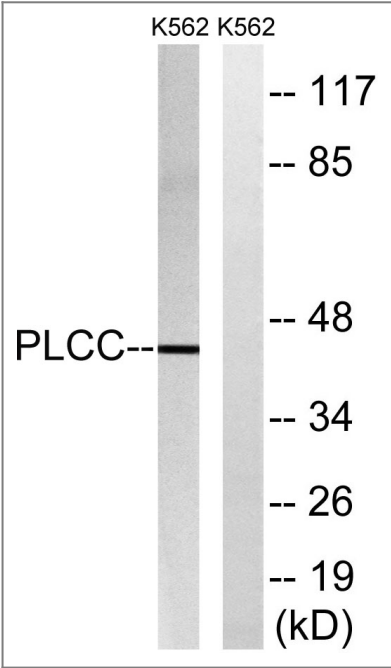
Immunogen The antiserum was produced against synthesized peptide derived from human AGPAT3. AA range:121-170

Specificity LPAAT-γ Polyclonal Antibody detects endogenous levels of LPAAT-γ protein.

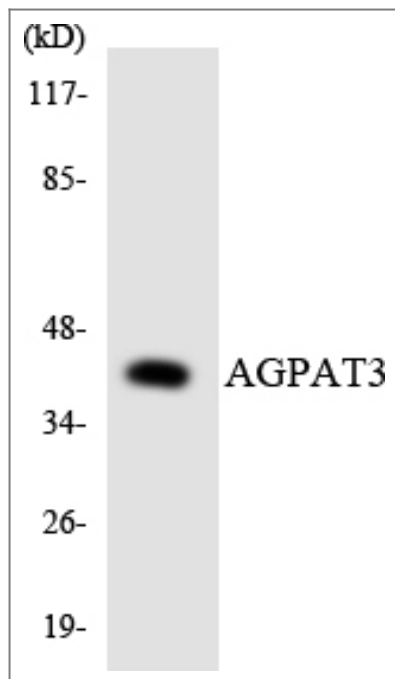
Target Information

Gene name	AGPAT3		
Protein Name	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma		
	Organism	Gene ID	UniProt ID
	Human	56894 ;	Q9NRZ7 ;
	Mouse	28169 ;	Q9D517 ;
Cellular Localization	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Nucleus envelope .		
Tissue specificity	Widely expressed with highest levels in testis, pancreas and kidney, followed by spleen, lung, adipose tissue and liver.		
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.,		

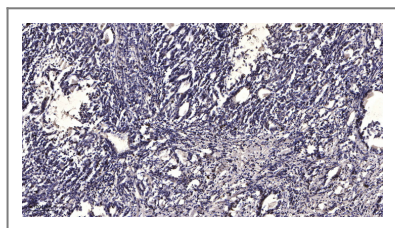
| Validation Data



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).

Contact information

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LPAAT-γ Rabbit pAb

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