

AGPAT3 Antibody (aa121-170)
Rabbit Polyclonal Antibody
Catalog # ALS16635**Specification**

AGPAT3 Antibody (aa121-170) - Product Information

Application	IHC, WB
Primary Accession	Q9NRZ7
Other Accession	56894
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	43381

AGPAT3 Antibody (aa121-170) - Additional Information**Gene ID** 56894**Other Names**

AGPAT3, 1-AGP acyltransferase 3, 1-AGPAT 3, LPAAT3, LPAAT-gamma, LPAAT-GAMMA1

Target/Specificity

AGPAT3 Antibody detects endogenous levels of total AGPAT3 protein.

Reconstitution & StoragePBS (without Mg²⁺, Ca²⁺), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol.
Store at -20°C for up to one year.**Precautions**

AGPAT3 Antibody (aa121-170) is for research use only and not for use in diagnostic or therapeutic procedures.

AGPAT3 Antibody (aa121-170) - Protein Information**Name** AGPAT3**Synonyms** LPAAT3**Function**

Converts 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone (PubMed:21173190). Acts on LPA containing saturated or unsaturated fatty acids C16:0-C20:4 at the sn-1 position using C18:1, C20:4 or C18:2-CoA as the acyl donor (PubMed:21173190). Also acts on lysophosphatidylcholine, lysophosphatidylinositol and lysophosphatidylserine using C18:1 or

C20:4-CoA (PubMed:21173190). Has a preference for arachidonoyl-CoA as a donor (By similarity). Has also a modest lysophosphatidylinositol acyltransferase (LPIAT) activity, converts lysophosphatidylinositol (LPI) into phosphatidylinositol (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Nucleus envelope

Tissue Location

Widely expressed with highest levels in testis, pancreas and kidney, followed by spleen, lung, adipose tissue and liver.

Volume

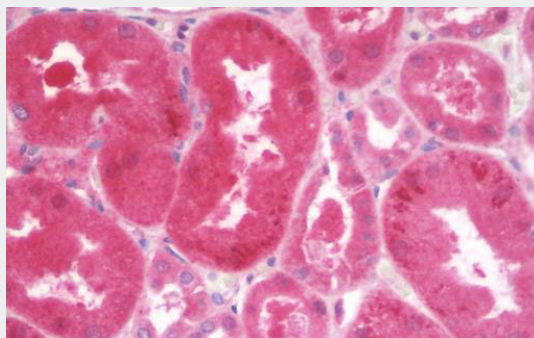
50 μ l

AGPAT3 Antibody (aa121-170) - Protocols

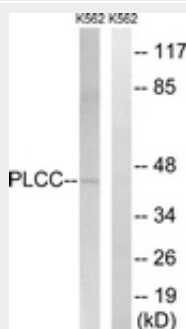
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AGPAT3 Antibody (aa121-170) - Images



Anti-AGPAT3 antibody IHC staining of human kidney.



Western blot of extracts from K562 cells, using AGPAT3 Antibody.

AGPAT3 Antibody (aa121-170) - Background

Converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2 position of the glycerol backbone. Acts on LPA containing saturated or unsaturated fatty acids C16:0-C20:4 at the sn-1 position using C18:1, C20:4 or C18:2-CoA as the acyl donor. Also acts on lysophosphatidylcholine, lysophosphatidylinositol and lysophosphatidylserine using C18:1 or C20:4-CoA.

AGPAT3 Antibody (aa121-170) - References

Leung D.W.,et al.Front. Biosci. 6:D944-D953(2001).
Nagamine K.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Hattori M.,et al.Nature 405:311-319(2000).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.