

AGPAT3 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14571**Specification**

AGPAT3 antibody - middle region - Product Information

Application	WB
Primary Accession	Q9NRZ7
Other Accession	NM_020132 , NP_064517
Reactivity	Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43kDa KDa

AGPAT3 antibody - middle region - Additional Information**Gene ID** 56894**Alias Symbol** LPAAT-GAMMA1, MGC4604**Other Names**

1-acyl-sn-glycerol-3-phosphate acyltransferase gamma, 2.3.1.51, 1-acylglycerol-3-phosphate O-acyltransferase 3, 1-AGP acyltransferase 3, 1-AGPAT 3, Lysophosphatidic acid acyltransferase gamma, LPAAT-gamma, AGPAT3, LPAAT3

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-AGPAT3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

AGPAT3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

AGPAT3 antibody - middle region - 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:<a

[21173190](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/21173190)). Also acts on lysophosphatidylcholine, lysophosphatidylinositol and lysophosphatidylserine using C18:1 or C20:4-CoA (PubMed: [21173190](http://www.uniprot.org/citations/21173190)). Has a preference for arachidonoyl-CoA as a donor (By similarity). Also has 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

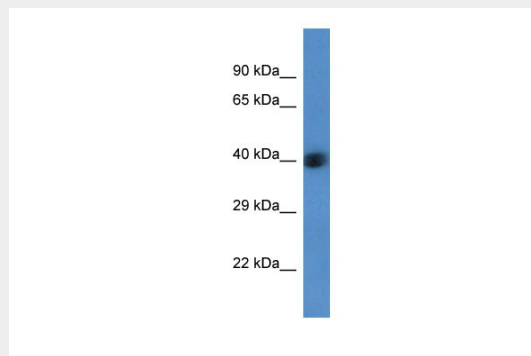
Widely expressed with highest levels in testis, pancreas and kidney, followed by spleen, lung, adipose tissue and liver.

AGPAT3 antibody - middle region - 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 - middle region - Images



WB Suggested Anti-AGPAT3 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Liver

AGPAT3 antibody - middle region - 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.