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AGPAT4 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8705c

Specification

AGPAT4 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9NRZ5

AGPAT4 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 56895

Other Names
1-acyl-sn-glycerol-3-phosphate acyltransferase delta, 1-acylglycerol-3-phosphate O-acyltransferase 4, 1-AGP acyltransferase 4, 1-AGPAT 4, Lysophosphatidic acid acyltransferase delta, LPAAT-delta, AGPAT4

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8705c was selected from the Center region of human AGPAT4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AGPAT4 Antibody (Center) Blocking Peptide - Protein Information

Name AGPAT4

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 (By similarity). Exhibits high acyl-CoA specificity for polyunsaturated fatty acyl-CoA, especially docosahexaenoyl-CoA (22:6-CoA, DHA-CoA) (By similarity).

Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8K4X7}; Multi-pass membrane protein

Tissue Location
Widely expressed with highest levels in skeletal muscle, followed by heart, liver, prostate and thymus

AGPAT4 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

AGPAT4 Antibody (Center) Blocking Peptide - Images

AGPAT4 Antibody (Center) Blocking Peptide - Background

AGPAT4 converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2 position of the glycerol backbone.

AGPAT4 Antibody (Center) Blocking Peptide - References

Leung,D.W. et.al., Front. Biosci. 6, D944-D953 (2001)Clark,H.F., et.al., Genome Res. 13 (10), 2265-2270 (2003)