

Anti-LPAAT gamma Antibody
Rabbit polyclonal antibody to LPAAT gamma
Catalog # AP60847**Specification**

Anti-LPAAT gamma Antibody - Product Information

Application	WB
Primary Accession	Q9NRZ7
Other Accession	Q9D517
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43381

Anti-LPAAT gamma Antibody - Additional Information**Gene ID** 56894**Other Names**

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

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human LPAAT gamma. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/2000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-LPAAT gamma Antibody - 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). 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

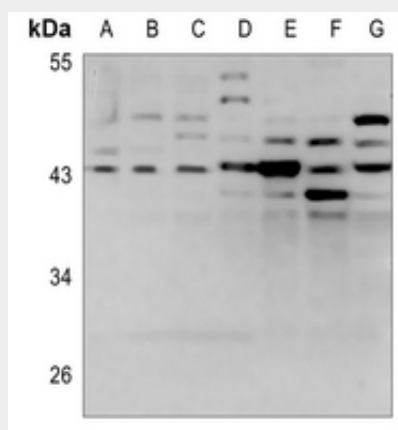
Widely expressed with highest levels in testis, pancreas and kidney, followed by spleen, lung, adipose tissue and liver.

Anti-LPAAT gamma Antibody - 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](#)

Anti-LPAAT gamma Antibody - Images



Western blot analysis of LPAAT gamma expression in HEK293T (A), A549 (B), H446 (C), mouse kidney (D), mouse liver (E), rat kidney (F), rat liver (G) whole cell lysates.

Anti-LPAAT gamma Antibody - Background

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