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Anti-LPAAT gamma Antibody

Rabbit polyclonal antibody to LPAAT gamma
Catalog # AP60847

Product Information

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

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

Protein Information

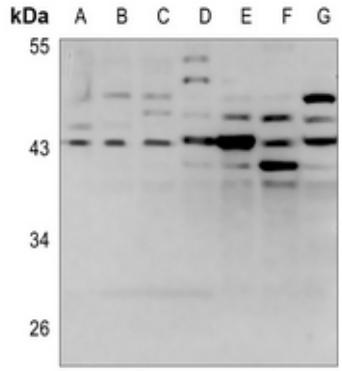
Name	AGPAT3
Synonyms	LPAAT3
Function	Converts 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone (PubMed:21173190). Acts on LPA containing saturated 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.

Background

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

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.