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Product datasheet for TA336107

AGPAT2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-AGPAT2 Antibody: synthetic peptide directed towards the C terminal of human AGPAT2. Synthetic peptide located within the following region: LEAIPTSGLTAADVPALVDTCHRAMRTTFLHISKTPQENGATAGSGVQPA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	27 kDa
Gene Name:	1-acylglycerol-3-phosphate O-acyltransferase 2
Database Link:	NP_001012745 Entrez Gene 10555 Human O15120

View online »

Background: AGPAT2 is a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. The protein is located within the endoplasmic reticulum membrane and converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. Mutations in its gene have been associated with congenital generalized lipodystrophy (CGL), or Berardinelli-Seip syndrome, a disease characterized by a near absence of adipose tissue and severe insulin resistance.This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. The protein is located within the endoplasmic reticulum membrane and converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. Mutations in this gene have been associated with congenital generalized lipodystrophy (CGL), or Berardinelli-Seip syndrome, a disease characterized by a near absence of adipose tissue and severe insulin resistance. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

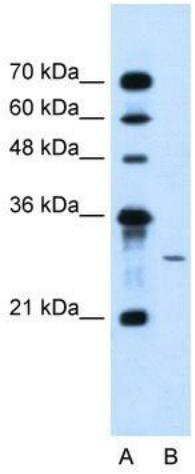
Synonyms: 1-AGPAT2; BSCL; BSCL1; LPAAB; LPAAT-beta

Note: Immunogen Sequence Homology: Human: 100%; Pig: 91%

Protein Families: Transmembrane

Protein Pathways: Ether lipid metabolism, Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways

Product images:



WB Suggested Anti-AGPAT2 Antibody Titration: 5.0 ug/ml; Positive Control: Jurkat cell lysate