

Datasheet for ABIN2781951
anti-AGPAT2 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	AGPAT2
Binding Specificity:	C-Term
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGPAT2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human AGPAT2
Sequence:	LEAIPTSGLT AADVPALVDT CHRAMRTTFL HISKTPQENG ATAGSGVQPA
Predicted Reactivity:	Human: 100%, Pig: 91%
Characteristics:	This is a rabbit polyclonal antibody against AGPAT2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	AGPAT2
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Target Details

Alternative Name:	AGPAT2 (AGPAT2 Products)
Background:	<p>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.</p> <p>Alias Symbols: 1-AGPAT2, BSCL, BSCL1, LPAAB, LPAAT-beta</p> <p>Protein Interaction Partner: ABCG8, PHRF1, PHF11, ANKRD28, SLC23A2, GMPS, UBC,</p> <p>Protein Size: 246</p>
Molecular Weight:	27 kDa
Gene ID:	10555
NCBI Accession:	NM_001012727 , NP_001012745
UniProt:	Q5VUD3

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 246 AA
Restrictions:	For Research Use only

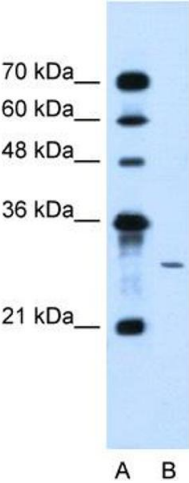
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

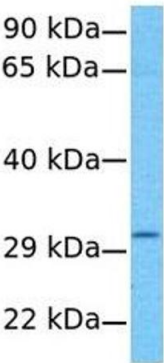
Images



Western Blotting

Image 1. WB Suggested Anti-AGPAT2 Antibody Titration:
5.0ug/ml Positive Control: Jurkat cell lysate

AGPAT2



Host: Rabbit
Target Name: AGPAT2
Sample Type: Hela
Antibody Dilution: 1ug/ml

Western Blotting

Image 2. Host: Rabbit Target Name: AGPAT2 Sample
Tissue: Human Hela Antibody Dilution: 1.0ug/ml