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Datasheet for ABIN881865

anti-AGPAT2 antibody (AA 121-220) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	AGPAT2
Binding Specificity:	AA 121-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGPAT2 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Agpat2
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Horse
Purification:	Purified by Protein A.

Target Details

Target:	AGPAT2
Alternative Name:	Agpat2 (AGPAT2 Products)
Background:	Synonyms: LPAAB, BSCL, BSCL1, EC 2.3.1.51, LPAAB, LPAAT beta, Lysophosphatidic acid

Target Details

acyltransferase beta, 1 acyl sn glycerol 3 phosphate acyltransferase beta, 1 acylglycerol 3 phosphate O acyltransferase 2, 1 AGP acyltransferase 2, 1 AGPAT2 antibody Berardinelli Seip congenital lipodystrophy.PLCB_HUMAN

Background: Agpat2 is a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. It 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 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.

Gene ID: 10555

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months