



Anti-AGPAT2 monoclonal antibody (DCABH-10458)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
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Immunogen	A synthetic peptide of human AGPAT2 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	AGPAT2 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta) [Homo sapiens]
Official Symbol	AGPAT2
Synonyms	AGPAT2; 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta); Berardinelli Seip congenital lipodystrophy , BSCL; 1-acyl-sn-glycerol-3-phosphate acyltransferase beta; LPAAT beta; 1-AGPAT 2; 1-AGP acyltransferase 2; lysophosphatidic acid acyltransferase beta; lysophosphatidic acid acyltransferase-beta; 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase-beta); BSCL; BSCL1; LPAAB; 1-AGPAT2; LPAAT-beta;
Entrez Gene ID	10555
Protein Refseq	NP_001012745
UniProt ID	A0A024R8F9
Chromosome Location	9q34.3
Pathway	Adipogenesis, organism-specific biosystem; CDP-diacylglycerol biosynthesis I, organism-specific biosystem; CDP-diacylglycerol biosynthesis I, conserved biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem;
Function	1-acylglycerol-3-phosphate O-acyltransferase activity; 1-acylglycerol-3-phosphate O-acyltransferase activity; transferase activity, transferring acyl groups;