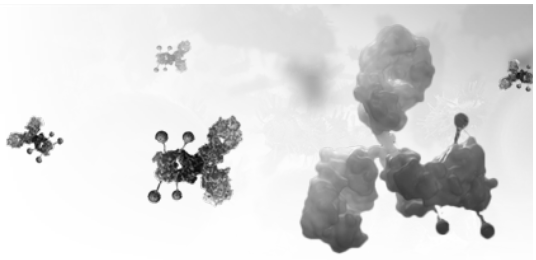

Anti-AGPAT1 monoclonal antibody (DCABH-10457)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes an enzyme that converts lysophosphatidic acid (LPA) into phosphatidic acid (PA). LPA and PA are two phospholipids involved in signal transduction and in lipid biosynthesis in cells. This enzyme localizes to the endoplasmic reticulum. This gene is located in the class III region of the human major histocompatibility complex. Alternative splicing results in two transcript variants encoding the same protein.
Immunogen	A synthetic peptide of human AGPAT1 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	AGPAT1 1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid

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	acyltransferase, alpha) [Homo sapiens]
Official Symbol	AGPAT1
Synonyms	AGPAT1; 1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha); 1-acyl-sn-glycerol-3-phosphate acyltransferase alpha; LPAAT alpha; 1-AGPAT 1; 1-AGP acyltransferase 1; lysophospholipid acyltransferase; lysophosphatidic acid acyltransferase alpha; 1-acylglycerol-3-phosphate O-acyltransferase 1 (acetoacetly Coenzyme A thiolase); G15; LPAATA; 1-AGPAT1; LPAAT-alpha; MGC4007; MGC5423;
Entrez Gene ID	10554
Protein Refseq	NP_006402
UniProt ID	A0A024RCV5
Chromosome Location	6p21.3
Pathway	CDP-diacylglycerol biosynthesis I, organism-specific biosystem; CDP-diacylglycerol biosynthesis I, conserved biosystem; ChREBP activates metabolic gene expression, organism-specific 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; transferase activity, transferring acyl groups;

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