

LPCAT4 rabbit monoclonal antibody

Catalog # H00254531-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human LPCAT4 peptide using ARM Technology.
Immunogen	A synthetic peptide of human LPCAT4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human LPCAT4 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — LPCAT4

Entrez GeneID	254531
GeneBank Accession#	LPCAT4
Gene Name	LPCAT4
Gene Alias	AGPAT7, AYTL3, FLJ10257, LPAAT-eta, LPEAT2
Gene Description	lysophosphatidylcholine acyltransferase 4
Gene Ontology	Hyperlink
Gene Summary	Members of the 1-acylglycerol-3-phosphate O-acyltransferase (EC 2.3.1.51) family, such as AGPAT7, catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA), a precursor in the biosynthesis of all glycerolipids. Both LPA and PA are involved in signal transduction (Ye et al., 2005 [PubMed 16243729]).[supplied by OMIM]
Other Designations	1-acylglycerol-3-phosphate O-acyltransferase 7 (lysophosphatidic acid acyltransferase, eta) PLS C domain containing protein acyl-CoA:lysophosphatidylethanolamine acyltransferase 2 acyltransferase like 3 lysophosphatidylethanolamine acyltransferase 2