



Anti-LCLAT1 (aa 303-332) polyclonal antibody (DPABH-11628)

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

PRODUCT INFORMATION

Antigen Description	Acyl-CoA:lysocardiolipin acyltransferase. Possesses both lysophosphatidylinositol acyltransferase (LPIAT) and lysophosphatidylglycerol acyltransferase (LPGAT) activities. Recognizes both monolysocardiolipin and dilysocardiolipin as substrates with a preference for linoleoyl-CoA and oleoyl-CoA as acyl donors. Acts as a remodeling enzyme for cardiolipin, a major membrane polyglycerophospholipid. Converts lysophosphatidic acid (LPA) into phosphatidic acid (PA) with a relatively low activity. Required for establishment of the hematopoietic and endothelial lineages.
Immunogen	Synthetic peptide within Human LCLAT1 aa 303-332 (C terminal) conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary. Database link: Q6UWP7
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P, WB
Format	Liquid
Size	400 µl
Buffer	Constituent: 99% PBS
Storage	Shipped at 4°C. Store at 4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

GENE INFORMATION

Gene Name [LCLAT1 lysocardiolipin acyltransferase 2 \[Homo sapiens \]](#)

Official Symbol	LCLAT1
Synonyms	LCLAT1; lysocardiolipin acyltransferase 1; LYCAT; AGPAT8; ALCAT1; 1AGPAT8; UNQ1849; HSRG1849; 1-AGPAT 8; 1-AGP acyltransferase 8; acyl-CoA:lysocardiolipin acyltransferase 1; 1-acylglycerol-3-phosphate O-acyltransferase 8;
Entrez Gene ID	253558
Protein Refseq	NP_001002257.1
UniProt ID	Q6UWP7
Pathway	Acyl chain remodeling of CL; Fatty acid, triacylglycerol, and ketone body metabolism; Glycerolipid metabolism; Glycerophospholipid metabolism
Function	1-acylglycerol-3-phosphate O-acyltransferase activity;