



Anti-LCLAT1 (aa 231-307) polyclonal antibody (DPABH-20493)

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 dilyocardiolipin 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	antigen sequence, corresponding to amino acids 231-307 (LHPRTTGFTF VVDRLREGKN LDAVHDITVA YPHNIPQSEK HLLQGDFPRE IHFHVHRYPI DTLPTSKEDL QLWCHKR) of Human LCLAT1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P
Format	Liquid
Size	100 µl
Buffer	pH: 7.20; Constituents: 59% PBS, 40% Glycerol
Preservative	0.02% Sodium Azide

Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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;