



# 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

<b>Antigen Description</b>	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.
<b>Immunogen</b>	Synthetic peptide within Human LCLAT1 aa 303-332 (C terminal) conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary. Database link: Q6UWP7
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, WB
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Constituent: 99% PBS
<b>Preservative</b>	0.09% Sodium Azide

**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.

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## GENE INFORMATION

Gene Name	<a href="#">LCLAT1 lysocardiolipin acyltransferase 2 [ Homo sapiens ]</a>
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	<a href="#">253558</a>
Protein Refseq	<a href="#">NP_001002257.1</a>
UniProt ID	<a href="#">Q6UWP7</a>
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;