

Datasheet for ABIN651910
anti-LCLAT1 antibody (AA 296-324)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	LCLAT1
Binding Specificity:	AA 296-324
Reactivity:	Mouse, Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LCLAT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This LCLT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 296-324 amino acids of human LCLT1.
Clone:	RB27045
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	LCLAT1
Alternative Name:	LCLT1 (LCLAT1 Products)
Background:	Acyl-CoA:lysocardiolipin acyltransferase. Possesses both lysophosphatidylinositol

Target Details

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.

Molecular Weight:	48920
Gene ID:	253558
NCBI Accession:	NP_001002257 , NP_872357
UniProt:	Q6UWP7

Application Details

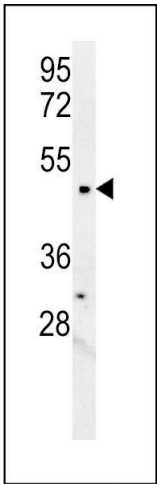
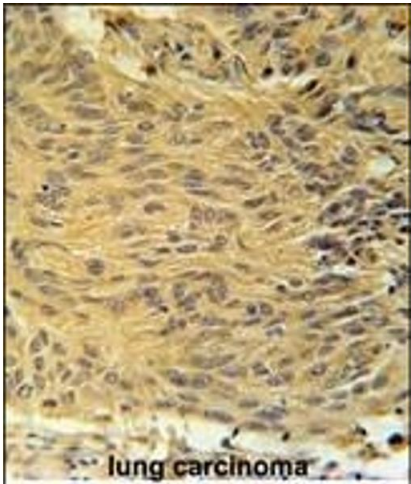
Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Chang, Nam, Kook, Kim, Liu, Yao, Jung, Lemos, Seo, Park, Gim, Hong, Huh, Kim, Tan, Liu, Powis, Park, Liang, Kim: "HNF4? is a therapeutic target that links AMPK to WNT signalling in early-stage gastric cancer." in: Gut , (2014) (PubMed).
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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. LCLT1 Antibody (C-term) (ABIN651910 and ABIN2840449) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LCLT1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. LCLT1 Antibody (C-term) (ABIN651910 and ABIN2840449) western blot analysis in mouse kidney tissue lysates (15 µg/lane). This demonstrates the LCLT1 antibody detected LCLT1 protein (arrow).