

For Research Use Only

LPCAT3 Monoclonal antibody

Catalog Number: 67882-1-Ig **6 Publications**



Basic Information

Catalog Number: 67882-1-Ig	GenBank Accession Number: BC065194	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10162	CloneNo.: 1C1G3
Source: Mouse	UNIPROT ID: Q6P1A2	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:150-1:600
Isotype: IgG1	Full Name: lysophosphatidylcholine acyltransferase 3	
Immunogen Catalog Number: AG6472	Calculated MW: 56 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse, pig

Cited Species:

human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse stomach tissue, pig stomach tissue

IHC : human stomach tissue, human small intestine tissue

Background Information

Lysophosphatidylcholine acyltransferases (LPCATs) are among the lysophospholipid acyltransferases (LPLATs) that play an important role in lipid metabolism and homeostasis by regulating the abundance of different phosphatidylcholine (PC) species. Lysophosphatidylcholine acyltransferase 3 (LPCAT3) is a member of the LPCAT family that primarily regulates the levels of arachidonic PC species. LPCAT3 is abundantly expressed in the testes, kidneys and metabolic tissues, including liver, intestine and adipose tissues. LPCAT3 is involved in the occurrence and development of atherosclerosis, intestinal tumors, and nonalcoholic steatohepatitis (NASH)(PMID: 35711841).

Notable Publications

Author	Pubmed ID	Journal	Application
Jie Gu	36334344	Ecotoxicol Environ Saf	WB
Xiaodan Mao	35045880	J Exp Clin Cancer Res	WB
Qian Tao	38471712	J Immunother Cancer	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

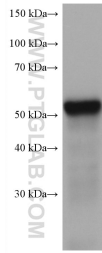
For technical support and original validation data for this product please contact:

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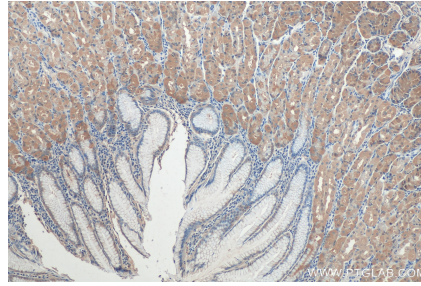
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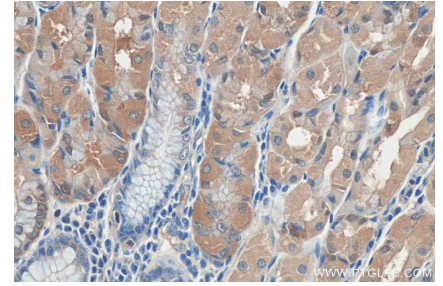
Selected Validation Data



mouse stomach tissue were subjected to SDS PAGE followed by western blot with 67882-1-Ig (LPCAT3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 67882-1-Ig (LPCAT3 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 67882-1-Ig (LPCAT3 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).