

LPCAT3 Monoclonal antibody

Catalog Number: 67882-1-Ig 7 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	Positive Controls:
Cited Applications: WB	WB : mouse stomach tissue, pig stomach tissue
Species Specificity: Human, mouse, pig	IHC : human stomach tissue, human small intestine tissue
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	

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
Qi Zhang	38582012	Biochim Biophys Acta Mol Basis Dis	WB

Storage

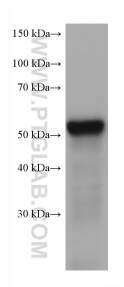
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

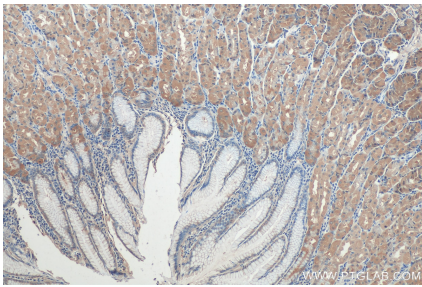
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

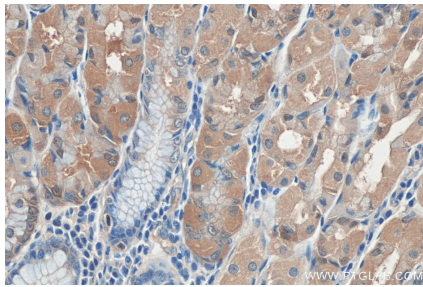
Selected Validation Data



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).