

For Research Use Only

LPCAT3 Monoclonal antibody, PBS Only



Catalog Number: 67882-1-PBS

Featured Product

Basic Information

Catalog Number:

67882-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6472

GenBank Accession Number:

BC065194

GeneID (NCBI):

10162

UNIPROT ID:

Q6P1A2

Full Name:

lysophosphatidylcholine acyltransferase 3

Calculated MW:

56 kDa

Observed MW:

56 kDa

Purification Method:

Protein A purification

CloneNo.:

1C1G3

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, pig

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 the liver, intestine, and adipose tissues. LPCAT3 is involved in the occurrence and development of atherosclerosis, intestinal tumors, and nonalcoholic steatohepatitis (NASH)(PMID: 35711841).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

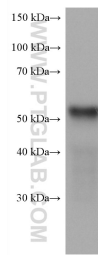
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

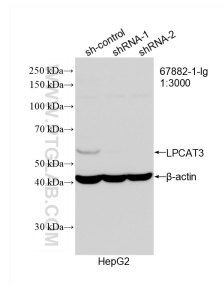
E: proteintech@ptglab.com
W: ptglab.com

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

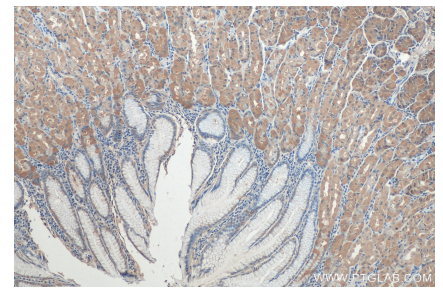
Selected Validation Data



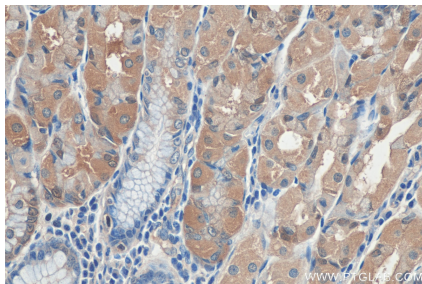
pig stomach tissue were subjected to SDS PAGE followed by western blot with 67882-1-Ig (LPCAT3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67882-1-PBS in a different storage buffer formulation.



WB result of LPCAT3 antibody (67882-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-LPCAT3 transfected HepG2 cells. This data was developed using the same antibody clone with 67882-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67882-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67882-1-PBS in a different storage buffer formulation.