

For Research Use Only

LPCAT2 Monoclonal antibody

Catalog Number: 68476-1-Ig



Basic Information

Catalog Number:

68476-1-Ig

Size:

150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG26420

GenBank Accession Number:

BC002472

GeneID (NCBI):

54947

UNIPROT ID:

Q7L5N7

Full Name:

lysophosphatidylcholine acyltransferase 2

Calculated MW:

60 kDa

Observed MW:

68 kDa

Purification Method:

Protein G purification

CloneNo.:

1E6G1

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : BxPC-3 cells, A375 cells, A549 cells, HEK-293 cells, HT-29 cells, Jurkat cells, HL-60 cells, HSC-T6 cells, NIH/3T3 cells

Background Information

LPCAT2 (Lysophosphatidylcholine acyltransferase 2) is also named as AGPAT11 and AYT1. Lipid droplet (LD) content of CRC cells positively correlates with the expression of lysophosphatidylcholine acyltransferase 2 (LPCAT2), an LD-localised enzyme supporting phosphatidylcholine synthesis (PMID: 29358673). Mitochondria play a significant role in ACSL4/LPCAT2-driven ferroptosis (PMID: 3762584). In response to LPS, LPCAT2, but not LPCAT1, rapidly associates with TLR4 and translocates to membrane lipid raft domains to regulate macrophage inflammatory gene expression (PMID: 32587324).

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

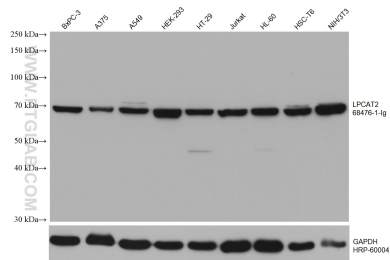
For technical support and original validation data for this product please contact:

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68476-1-Ig (LPCAT2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.