

For Research Use Only

LPCAT2 Monoclonal antibody, PBS Only



Catalog Number: 68476-1-PBS

Basic Information

Catalog Number:

68476-1-PBS

Size:

1 mg/ml

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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human, mouse, rat

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 -80°C.

Storage Buffer:

PBS Only

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

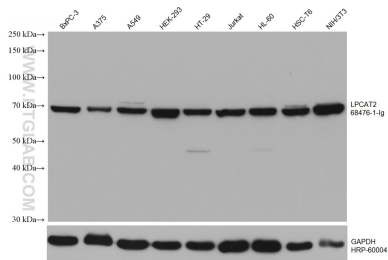
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Selected Validation Data



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. This data was developed using the same antibody clone with 68476-1-PBS in a different storage buffer formulation.