

For Research Use Only

LPCAT2 Monoclonal antibody, PBS Only



Catalog Number: 68476-1-PBS

Basic Information

Catalog Number: 68476-1-PBS	GenBank Accession Number: BC002472	Purification Method: Protein G purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 54947	CloneNo.: 1E6G1
Source: Mouse	UNIPROT ID: Q7L5N7	
Isotype: IgG1	Full Name: lysophosphatidylcholine acyltransferase 2	
Immunogen Catalog Number: AG26420	Calculated MW: 60 kDa	
	Observed MW: 68 kDa	

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

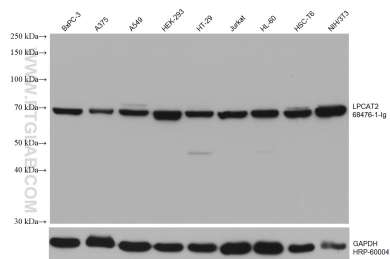
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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