

For Research Use Only

LPIN1 Monoclonal antibody, PBS Only



Catalog Number: 68124-1-PBS

Basic Information

Catalog Number: 68124-1-PBS	GenBank Accession Number: BC030537	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 23175	CloneNo.: 3G11B10
Source: Mouse	UNIPROT ID: Q14693	
Isotype: IgG2a	Full Name: lipin 1	
Immunogen Catalog Number: AG25813	Calculated MW: 890 aa, 99 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC, IF

Species Specificity:
Human, Rat, Mouse

Background Information

LPIN1, also named as KIAA0188, belongs to the lipin family. It is a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis and therefore controls the metabolism of fatty acids at different levels. LPIN1 has a molecular weight of about 99 kDa but predicted bands around 130 kDa. (PMID:20231281, PMID:29765047).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

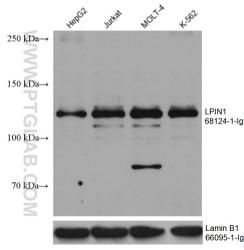
T: 4006900926

E: Proteintech-CN@ptglab.com

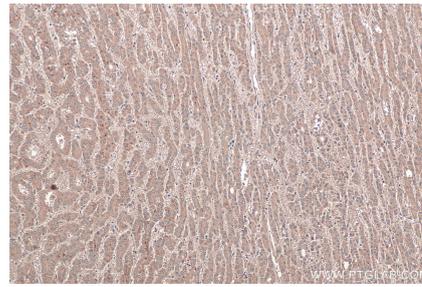
W: ptgcn.com

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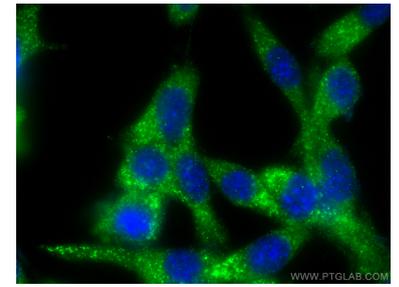
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68124-1-Ig (LPIN1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Lamin B1 Monoclonal antibody (66095-1-Ig) as loading control. This data was developed using the same antibody clone with 68124-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68124-1-Ig (LPIN1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68124-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed NIH/3T3 cells using LPIN1 antibody (68124-1-Ig, Clone: 3G11B10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68124-1-PBS in a different storage buffer formulation.