

For Research Use Only

AGPAT4 Polyclonal antibody

Catalog Number: 16562-1-AP



Basic Information

Catalog Number: 16562-1-AP	GenBank Accession Number: BC020209	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 56895	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	UNIPROT ID: Q9NRZ5	
Isotype: IgG	Full Name: 1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	
Immunogen Catalog Number: AG9834	Calculated MW: 378 aa, 44 kDa	
	Observed MW: 44 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, U-251 cells
Species Specificity: human	

Background Information

AGPAT4 (Acylglycerophosphate acyltransferase 4), also known as LPAAT δ (Lysophosphatidic acid acyltransferase delta), is a protein expressed mainly in brain and in muscle. AGPAT4 is characterized as a mitochondrial lysophosphatidic acid acyltransferase that regulates brain levels of phosphatidylcholine (PC), phosphatidylethanolamine (PE), and phosphatidylinositol (PI) (PMID: 28807933). AGPAT4 is relatively abundant in murine renal white adipose tissue (WAT) and has been linked to the regulation of TAG production, the differentiation of adipocytes, and the modulation of various pathologies including lipodystrophy, diabetes, and hepatic steatosis (PMID: 28814640).

Storage

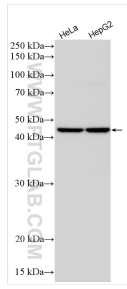
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



Various lysates were subjected to SDS PAGE followed by western blot with 16562-1-AP (AGPAT4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.