

For Research Use Only

FATP5 Polyclonal antibody

Catalog Number: 25347-1-AP



Basic Information

Catalog Number: 25347-1-AP	GenBank Accession Number: BC148807	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 10998	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: Q9Y2P5	
Isotype: IgG	Full Name: solute carrier family 27 (fatty acid transporter), member 5	
Immunogen Catalog Number: AG18446	Calculated MW: 690 aa, 75 kDa	
	Observed MW: 70-75 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse liver tissue, rat liver tissue IP : rat liver tissue,

Background Information

SLC27A5, also known as FATP5, ACSVL6, and BAL, is an isozyme of very long-chain acyl-CoA synthetase (VLCs). It is capable of activating very long-chain fatty acids containing 24- and 26-carbons (PMID: 10479480). FATP5 mediates the import of long-chain fatty acids (LCFA) by facilitating their transport across cell membranes (PubMed:20448275). FATP5 is associated with endoplasmic reticulum but not with peroxisomes, and its primary role is in fatty acid elongation or complex lipid synthesis. FATP5 is exclusively expressed by the liver and localized to the basal plasma membrane of hepatocytes (PMID:16618416).

Storage

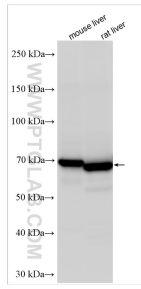
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

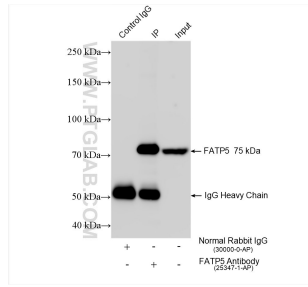
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25347-1-AP (FATP5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-FATP5 (IP:25347-1-AP, 4ug; Detection:25347-1-AP 1:5000) with rat liver tissue lysate 2695 ug.