

For Research Use Only

FATP5/SLC27A5 Polyclonal antibody

Catalog Number: 25347-1-AP

1 Publications



Basic Information

Catalog Number:

25347-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18446

GenBank Accession Number:

BC148807

GeneID (NCBI):

10998

UNIPROT ID:

Q9Y2P5

Full Name:

solute carrier family 27 (fatty acid transporter), member 5

Calculated MW:

690 aa, 75 kDa

Observed MW:

70-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Shenyang Liu	39224804	Front Oncol	WB, IHC

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

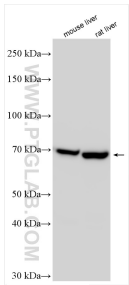
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

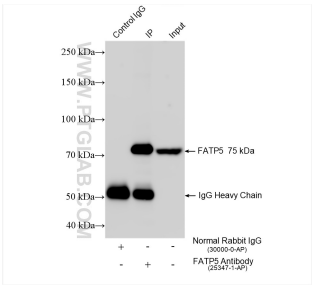
E: proteintech@ptglab.com
W: ptglab.com

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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 1:5000 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.