

For Research Use Only

# FATP5 Polyclonal antibody

Catalog Number: 25347-1-AP



## Basic Information

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

## Applications

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

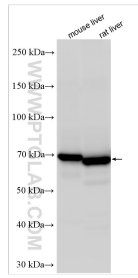
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

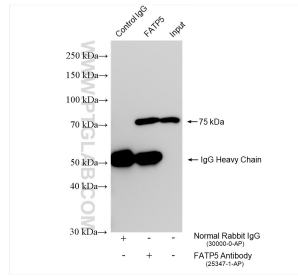
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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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 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-FATP5(IP:25347-1-AP, 4 $\mu$ g; Detection:25347-1-AP 1:1000) with rat liver tissue lysate 4000  $\mu$ g.