

For Research Use Only

FATP5/SLC27A5 Recombinant antibody

Catalog Number: 84557-1-RR



Basic Information

Catalog Number: 84557-1-RR	GenBank Accession Number: BC148807	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10998	CloneNo.: 241884H2
Source: Rabbit	UNIPROT ID: Q9Y2P5	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:200-1:800
Isotype: IgG	Full Name: solute carrier family 27 (fatty acid transporter), member 5	
Immunogen Catalog Number: AG18276	Calculated MW: 690 aa, 75 kDa	
	Observed MW: 70-75 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse liver tissue, rat liver tissue

IHC : mouse 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

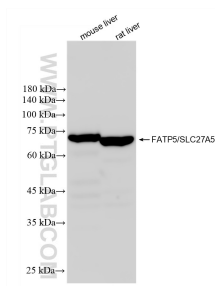
For technical support and original validation data for this product please contact:

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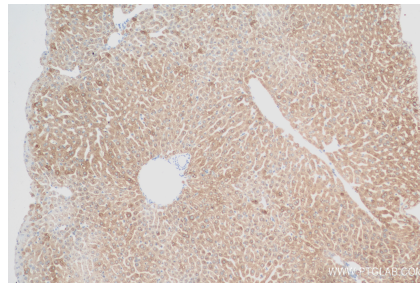
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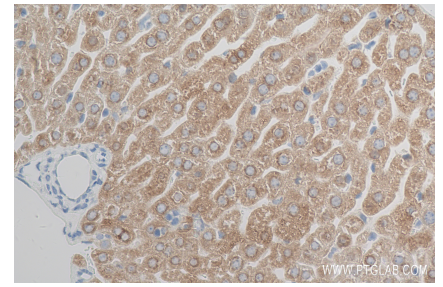
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84557-1-RR (SLC27A5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84557-1-RR (FATP5/SLC27A5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84557-1-RR (FATP5/SLC27A5 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).