

For Research Use Only

FATP2 Polyclonal antibody

Catalog Number: 14048-1-AP

Featured Product

33 Publications



Basic Information

Catalog Number:

14048-1-AP

Size:

150ul, Concentration: 500 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5217

GenBank Accession Number:

BC057770

GeneID (NCBI):

11001

UNIPROT ID:

O14975

Full Name:

solute carrier family 27 (fatty acid transporter), member 2

Calculated MW:

567 aa, 65 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

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

IHC 1:250-1:1000

IF 1:10-1:100

Applications

Tested Applications:

WB, IP, IF, IHC, ELISA

Cited Applications:

WB, IF, IHC, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

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 kidney tissue, mouse liver, rat kidney, rat liver, mouse liver tissue, rat liver tissue

IP: HepG2 cells,

IHC: human liver cancer tissue, human kidney tissue

IF: HepG2 cells,

Background Information

FATP2 is a member of the FATP family which functions in lipid and bile metabolism. It is a 70-kDa protein predominantly expressed in liver and kidney. Kidney FATP2 is localized exclusively to proximal tubule epithelial cells along the apical but not the basolateral membrane, and regulates lipopapoptosis. FATP2 is involved in metabolism-related diseases including nonalcoholic fatty liver disease (NAFLD) and type 2 diabetes mellitus (T2DM), and is a potential clinical biomarker and therapeutic target.

Notable Publications

Author	Pubmed ID	Journal	Application
Li-Sha Ran	36115008	J Nat Med	WB,IHC
Lili Cheng	28871336	Arch Toxicol	WB
Liping Luo	36058506	Cell Mol Gastroenterol Hepatol	WB

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

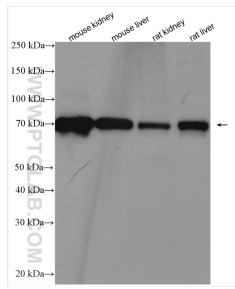
For technical support and original validation data for this product please contact:

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

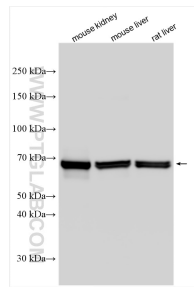
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

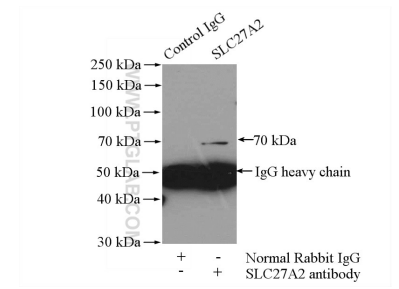
Selected Validation Data



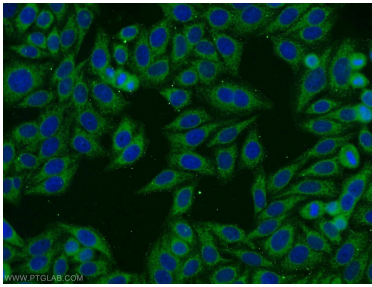
Various lysates were subjected to SDS PAGE followed by western blot with 14048-1-AP (FATP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



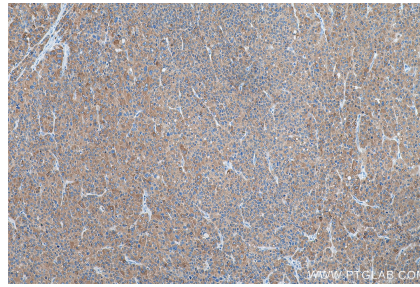
Various lysates were subjected to SDS PAGE followed by western blot with 14048-1-AP (FATP2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



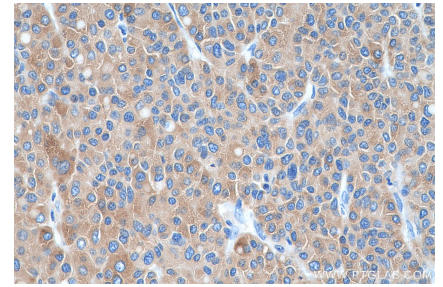
IP result of anti-FATP2 (IP:14048-1-AP, 4ug; Detection:14048-1-AP 1:500) with HepG2 cells lysate 3200ug.



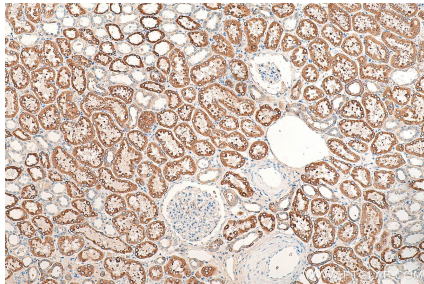
Immunofluorescent analysis of HepG2 cells using 14048-1-AP (SLC27A2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



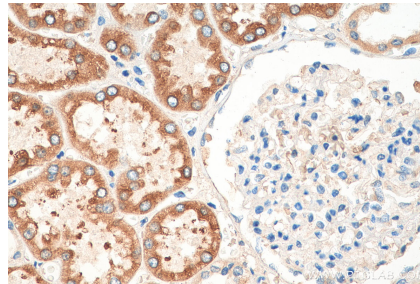
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14048-1-AP (FATP2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14048-1-AP (FATP2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14048-1-AP (FATP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14048-1-AP (FATP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).