

FATP2 Monoclonal antibody

Catalog Number: 68074-1-Ig

Basic Information

Catalog Number:

68074-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5390

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:

Protein A purification

CloneNo.:

2C10D7

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:250-1:1000

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, 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 : A549 cells, HepG2 cells, rat liver tissue, LNCaP cells, HeLa cells

IHC : human kidney tissue,

IF/ICC : 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 lipoapoptosis. 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.

Storage

Storage:

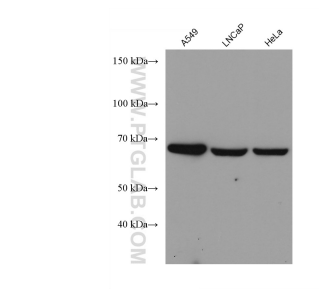
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

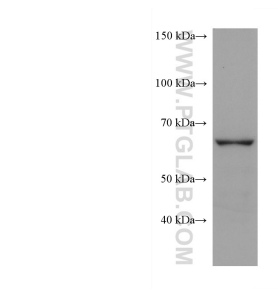
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

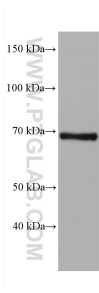
Selected Validation Data



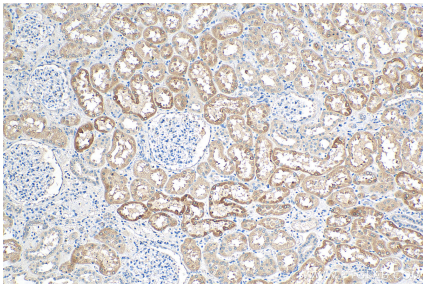
Various lysates were subjected to SDS PAGE followed by western blot with 68074-1-Ig (SLC27A2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



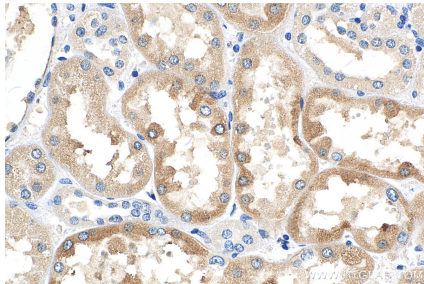
HepG2 cells were subjected to SDS PAGE followed by western blot with 68074-1-Ig (SLC27A2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



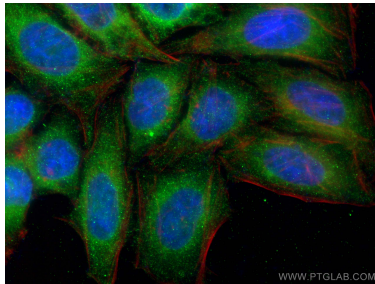
rat liver tissue were subjected to SDS PAGE followed by western blot with 68074-1-Ig (FATP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 68074-1-Ig (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 kidney tissue slide using 68074-1-Ig (FATP2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using FATP2 antibody (68074-1-Ig, Clone: 2C10D7) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red).