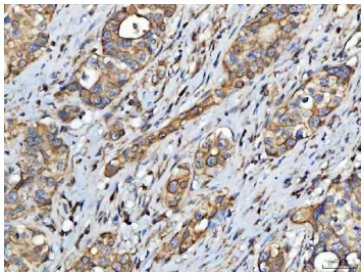
FATP-4 Antibody / ACSVL4 / SLC27A4 (RQ7705)

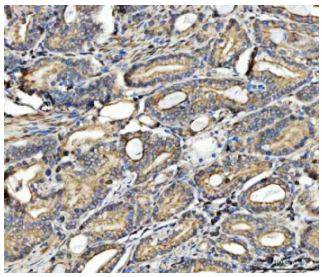
Catalog No.	Formulation	Size
RQ7705	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

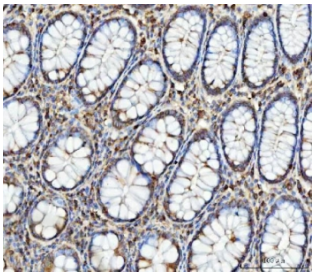
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q6P1M0
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This FATP-4 antibody is available for research use only.



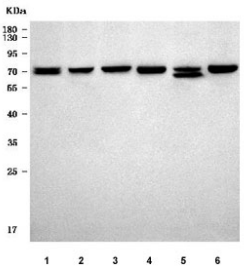
IHC staining of FFPE human colorectal adenocarcinoma tissue with FATP-4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human prostatic carcinoma tissue with FATP-4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human rectum adenocarcinoma tissue with FATP-4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HepG2, 2) human 293T, 3) rat brain, 4) rat testis, 5) rat kidney and 6) mouse testis tissue lysate with FATP-4 antibody. Predicted molecular weight ~72 kDa.

Description

Long-chain fatty acid transport protein 4 is a protein that in humans is encoded by the SLC27A4 gene. This gene encodes a member of a family of fatty acid transport proteins, which are involved in translocation of long-chain fatty acids cross the plasma membrane. This protein is expressed at high levels on the apical side of mature enterocytes in the small intestine, and appears to be the principal fatty acid transporter in enterocytes. Clinical studies suggest this gene as a candidate gene for the insulin resistance syndrome. Mutations in this gene have been associated with ichthyosis prematurity syndrome.

Application Notes

Optimal dilution of the FATP-4 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids K15-L643) was used as the immunogen for the FATP-4 antibody.

Storage

After reconstitution, the FATP-4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com