

Anti-SLCO1B1 Antibody

Catalog Number: A01375-1

About SLCO1B1

SLCO1B1 is a transmembrane receptor that mediates the sodium-independent uptake of numerous endogenous compounds including bilirubin, 17-beta-glucuronosyl estradiol and may play an important role in the clearance of bile acids and organic anions from the liver (1,2). It contains one Kazal-like domain and belongs to the organo-anion transporter family (2,3). SLCO1B1 is highly expressed in liver and is localized to the basolateral hepatocyte membrane. It is responsible for the hepatic uptake of the liver-specific hydroxymethylglutaryl-CoA reductase inhibitor in mouse, rat and human (3,4).

Overview

Product Name	Anti-SLCO1B1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-SLCO1B1 Antibody (Catalog # A01375-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal Clone: SK7
Formulation	SLCO1B1 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	SLCO1B1 antibody can be stored at 4°C, stable for up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9Y6L6

Technical Details

Immunogen	SLCO1B1 antibody was raised against a 14 amino acid peptide near the carboxy terminus of human SLCO1B1. The immunogen is located within the last 50 amino acids of SLCO1B1.
Predicted Reactive Species	Bovine, Guinea Pig, Pig
Cross Reactivity	SLCO1B1 antibody is human specific. At least four isoforms of SLCO1B1 are known to exist. This antibody is predicted to not cross-react with other SLCO1B proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	SLCO1B1 antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

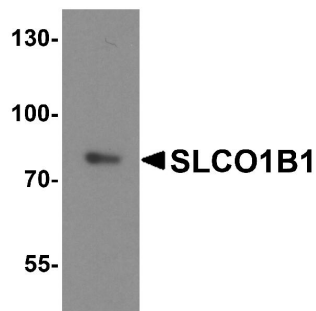
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

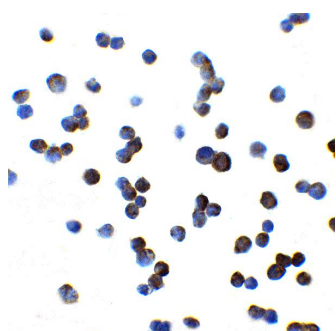
SLCO1B1 antibody can be used for detection of SLCO1B1 by Western blot at 1 - 2 ug/ml. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

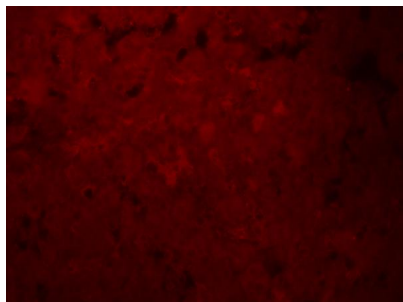
Anti-SLCO1B1 Antibody (A01375-1) Images



Western blot analysis of SLCO1B1 in human liver tissue lysate with SLCO1B1 antibody at 1 ug/ml.



Immunocytochemistry of SLCO1B1 in HepG2 cells with SLCO1B1 antibody at 2.5 ug/ml.



Immunofluorescence of SLCO1B1 in human liver tissue with SLCO1B1 antibody at 20 ug/ml.

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