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SLCO1B1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9609c

Specification

SLCO1B1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9Y6L6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Antigen Region	267-293

SLCO1B1 Antibody (Center) - Additional Information

Gene ID 10599

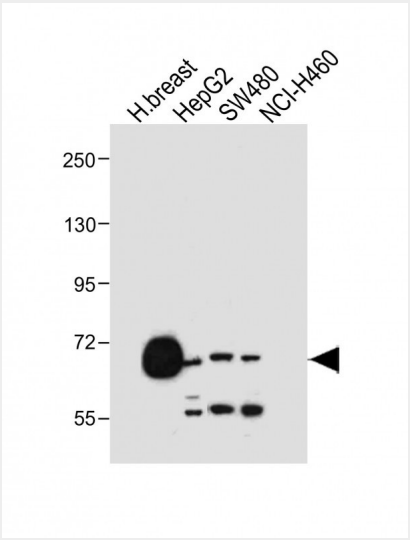
Other Names
Solute carrier organic anion transporter family member 1B1, Liver-specific organic anion transporter 1, LST-1, OATP-C, Sodium-independent organic anion-transporting polypeptide 2, OATP-2, Solute carrier family 21 member 6, SLCO1B1, LST1, OATP1B1, OATP2, OATPC, SLC21A6

Target/Specificity
This SLCO1B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 267-293 amino acids from the Central region of human SLCO1B1.

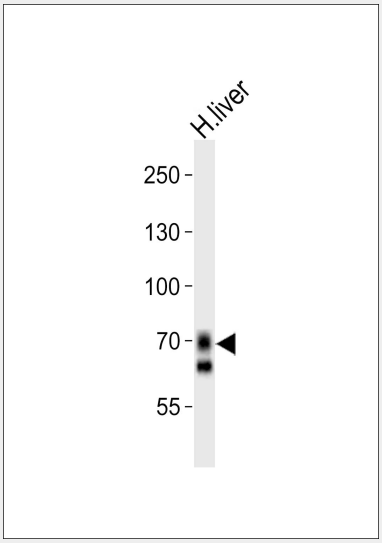
Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



All lanes : Anti-SLCO1B1 Antibody (Center) at 1:500 dilution Lane 1: Human breast tissue lysate Lane 2: HepG2 whole cell lysate Lane 3: SW480 whole cell lysate Lane 4: NCI-H460 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 76 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of lysate from human liver tissue lysate, using SLCO1B1 Antibody

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Precautions
SLCO1B1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SLCO1B1 Antibody (Center) - Protein Information

Name SLCO1B1

Synonyms LST1, OATP1B1, OATP2, OATPC, SLC21A6

Function
Mediates the Na(+)-independent uptake of organic anions such as pravastatin, taurocholate, methotrexate, dehydroepiandrosterone sulfate, 17-beta-glucuronosyl estradiol, estrone sulfate, prostaglandin E2, thromboxane B2, leukotriene C3, leukotriene E4, thyroxine and triiodothyronine. Involved in the clearance of bile acids and organic anions from the liver.

Cellular Location
Basolateral cell membrane; Multi-pass membrane protein. Note=Detected in basolateral membranes of hepatocytes

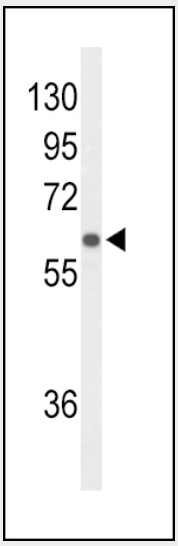
Tissue Location
Highly expressed in liver, at the basolateral membranes of centrilobular hepatocytes. Not detected in heart, brain, placenta, lung, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and leukocyte

SLCO1B1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

(Center)(Cat. #AP9609c). AP9609c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



Western blot analysis of SLCO1B1 Antibody (Center) (Cat. #AP9609c) in HepG2 cell line lysates (35ug/lane). SLCO1B1 (arrow) was detected using the purified Pab.

SLCO1B1 Antibody (Center) - Background

AP9609c is a liver-specific member of the organic anion transporter family. This protein is a transmembrane receptor that mediates the sodium-independent uptake of numerous endogenous compounds including bilirubin, 17-beta-glucuronosyl estradiol and leukotriene C4. This protein is also involved in the removal of drug compounds such as statins, bromosulfophthalein and rifampin from the blood into the hepatocytes. Polymorphisms in the gene encoding this protein are associated with impaired transporter function.

SLCO1B1 Antibody (Center) - References

Jung, D., et al. J. Biol. Chem. 276(40):37206-37214(2001)
Cui, Y., et al. J. Biol. Chem. 276(13):9626-9630(2001)
Konig, J., et al. J. Biol. Chem. 275(30):23161-23168(2000)