

SLCO1B3 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3041a**Specification**

SLCO1B3 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q9NPD5
Other Accession	NP_062818.1 , 28234 , 28253 (mouse)
Predicted	Human, Mouse, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	77403

SLCO1B3 Antibody (internal region) - Additional Information**Gene ID** 28234**Other Names**

Solute carrier organic anion transporter family member 1B3, Liver-specific organic anion transporter 2, LST-2, Organic anion transporter 8, Organic anion-transporting polypeptide 8, OATP-8, Solute carrier family 21 member 8, SLCO1B3, LST2, OATP1B3, OATP8, SLC21A8

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SLCO1B3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SLCO1B3 Antibody (internal region) - Protein Information**Name** SLCO1B3**Synonyms** LST2, OATP1B3, OATP8, SLC21A8**Function**

Mediates the Na(+)-independent uptake of organic anions (PubMed:<a

[10779507](http://www.uniprot.org/citations/10779507), PubMed: [15159445](http://www.uniprot.org/citations/15159445), PubMed: [17412826](http://www.uniprot.org/citations/17412826)). Shows broad substrate specificity, can transport both organic anions such as bile acid taurocholate (cholytaurine) and conjugated steroids (17-beta- glucuronosyl estradiol, dehydroepiandrosterone sulfate (DHEAS), and estrone 3-sulfate), as well as eicosanoid leukotriene C4, prostaglandin E2 and L-thyroxine (T4) (PubMed: [10779507](http://www.uniprot.org/citations/10779507) target="_blank">10779507, PubMed: [11159893](http://www.uniprot.org/citations/11159893) target="_blank">11159893, PubMed: [12568656](http://www.uniprot.org/citations/12568656) target="_blank">12568656, PubMed: [15159445](http://www.uniprot.org/citations/15159445) target="_blank">15159445, PubMed: [17412826](http://www.uniprot.org/citations/17412826) target="_blank">17412826, PubMed: [19129463](http://www.uniprot.org/citations/19129463) target="_blank">19129463). Hydrogencarbonate/HCO₃(-) acts as the probable counteranion that exchanges for organic anions (PubMed: [19129463](http://www.uniprot.org/citations/19129463) target="_blank">19129463). Shows a pH-sensitive substrate specificity towards sulfated steroids, taurocholate and T4 which may be ascribed to the protonation state of the binding site and leads to a stimulation of substrate transport in an acidic microenvironment (PubMed: [19129463](http://www.uniprot.org/citations/19129463) target="_blank">19129463). Involved in the clearance of bile acids and organic anions from the liver (PubMed: [22232210](http://www.uniprot.org/citations/22232210) target="_blank">22232210). Can take up bilirubin glucuronides from plasma into the liver, contributing to the detoxification-enhancing liver-blood shuttling loop (PubMed: [22232210](http://www.uniprot.org/citations/22232210) target="_blank">22232210). Transports coproporphyrin I and III, by-products of heme synthesis, and may be involved in their hepatic disposition (PubMed: [26383540](http://www.uniprot.org/citations/26383540) target="_blank">26383540). May contribute to regulate the transport of organic compounds in testes across the blood-testis-barrier (Probable). Can transport HMG-CoA reductase inhibitors (also known as statins) such as pitavastatin, a clinically important class of hypolipidemic drugs (PubMed: [15159445](http://www.uniprot.org/citations/15159445) target="_blank">15159445). May play an important role in plasma and tissue distribution of the structurally diverse chemotherapeutic drugs methotrexate and paclitaxel (PubMed: [23243220](http://www.uniprot.org/citations/23243220) target="_blank">23243220). May also transport antihypertension agents, such as the angiotensin-converting enzyme (ACE) inhibitor prodrug enalapril, and the highly selective angiotensin II AT1-receptor antagonist valsartan, in the liver (PubMed: [16624871](http://www.uniprot.org/citations/16624871) target="_blank">16624871, PubMed: [16627748](http://www.uniprot.org/citations/16627748) target="_blank">16627748).

Cellular Location

Basolateral cell membrane; Multi-pass membrane protein. Basal cell membrane; Multi-pass membrane protein. Note=Localized to the basolateral membrane of hepatocytes (PubMed:10779507). Localized to the basal membrane of Sertoli cells (PubMed:35307651)

Tissue Location

Highly expressed in liver, in particular at the basolateral membrane of hepatocytes near the central vein (PubMed:10779507, PubMed:15159445). Expressed in the placenta (PubMed:12409283). In testis, primarily localized to the basal membrane of Sertoli cells and weakly expressed in Leydig cells and within the tubules (PubMed:35307651).

SLC01B3 Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC01B3 Antibody (internal region) - Images**SLC01B3 Antibody (internal region) - References**

Impact of regulatory polymorphisms in organic anion transporter genes in the human liver. Aoki M, Terada T, Ogasawara K, Katsura T, Hatano E, Ikai I, Inui K, Pharmacogenetics and genomics 2009 Aug 19 (8): 647-56. PMID: 19620935