



## Rabbit Anti-SLCO3A1 antibody

SL11802R

<b>Product Name:</b>	SLCO3A1
<b>Chinese Name:</b>	可溶性载质Transporter3A1抗体
<b>Alias:</b>	OATP-D; OATP D; OATP RP3; OATP3A1; OATPD; OATPRP3; Organic anion transporter polypeptide related protein 3; Organic anion transporting polypeptide D; PGE1 transporter; SLC21A11; Sodium independent organic anion transporter D; Solute carrier family 21 (organic anion transporter) member 11; Solute carrier family 21 member 11; Solute carrier organic anion transporter family member 3A1; FLJ40478; SO3A1 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Zebrafish,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	77kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SLCO3A1/OATP-D:101-200/710<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The organic anion transporter family of proteins mediate hepatic uptake of cardiac

glycosides. OATP-D is a 710 amino acid member of the organic anion transporter protein family. As a multi-pass membrane protein, OATP-D mediates the Na<sup>+</sup>-independent transport of vasopressin, prostaglandins (PG) E1 and E2, thyroxine (T4), deltorphin II and other organic anions, but not estrone-3-sulfate, DPDPE, taurocholate, DHEAS or digoxin. OATP-D is ubiquitously expressed with highest levels present in leukocytes and spleen. OATP-D is expressed as four isoforms produced by alternative splicing events.

**Function:**

SLCO3A1 mediates the Na<sup>+</sup>-independent transport of organic anions such as estrone-3-sulfate. It mediates transport of prostaglandins (PG) E1 and E2, thyroxine (T4), deltorphin II, BQ-123 and vasopressin, but not DPDPE (a derivative of enkephalin lacking an N-terminal tyrosine residue), taurocholate, digoxin nor DHEAS. There are four named isoforms.

**Subcellular Location:**

Membrane; Multi-pass membrane protein.

**Tissue Specificity:**

Ubiquitous. Highly expressed in spleen and leukocytes. Generally the expression of isoform 1 is higher than that of isoform 2. Isoform 2 is particularly abundant in testis and brain. In testis, isoform 1 is detected in spermatogonia at different stages and absent from Sertoli cells, while isoform 2 is present in both (at protein level). Expressed in the choroid plexus epithelium, isoform 1 being localized at the basolateral membrane and isoform 2 at the apical one, as well as in the subapical intracellular vesicular compartments. Differential expression of both isoforms is also observed in other brain region: isoform 1 is very abundant in the gray matter of the frontal cortex, but is not associated with neuronal cell bodies. Not detected in the white matter. In contrast, isoform 2 is associated with neuronal bodies and axons in both the gray and the white matters of the frontal cortex.

**Similarity:**

Belongs to the organo anion transporter (TC 2.A.60) family.  
Contains 1 Kazal-like domain.

**SWISS:**

Q9UIG8

**Gene ID:**

28232

**Database links:**

[Entrez Gene: 28232](#) Human

[Entrez Gene: 108116](#) Mouse

[Entrez Gene: 140915](#) Rat

[Oimim: 612435](#) Human

[SwissProt: Q9UIG8](#) Human

[SwissProt: Q8R3L5](#) Mouse

[SwissProt: Q99N02](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)