

**SLCO3A1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54628****Specification**

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**SLCO3A1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">O9UIG8</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76553

**SLCO3A1 Polyclonal Antibody - Additional Information****Gene ID** 28232**Other Names**

Solute carrier organic anion transporter family member 3A1, OATP3A1, Organic anion transporter polypeptide-related protein 3, OATP-RP3, OATPRP3, Organic anion-transporting polypeptide D, OATP-D, PGE1 transporter, Sodium-independent organic anion transporter D, Solute carrier family 21 member 11, SLCO3A1, OATP3A1, OATPD, SLC21A11

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

**SLCO3A1 Polyclonal Antibody - Protein Information****Name** SLCO3A1**Synonyms** OATP3A1, OATPD, SLC21A11**Function**

Putative organic anion antiporter with apparent broad substrate specificity. Recognizes various substrates including thyroid hormone L-thyroxine, prostanoids such as prostaglandin E1 and E2, bile acids such as taurocholate, glycolate and glycochenodeoxycholate and peptide hormones such as L-arginine vasopressin, likely operating in a tissue-specific manner (PubMed:<a href="http://www.uniprot.org/citations/10873595" target="\_blank">10873595</a>, PubMed:<a href="http://www.uniprot.org/citations/14631946" target="\_blank">14631946</a>, PubMed:<a href="http://www.uniprot.org/citations/16971491" target="\_blank">16971491</a>, PubMed:<a href="http://www.uniprot.org/citations/19129463" target="\_blank">19129463</a>, PubMed:<a href="http://www.uniprot.org/citations/30063921" target="\_blank">30063921</a>). The transport mechanism, its electrogenicity and potential tissue-specific counterions remain to be elucidated (Probable).

**Cellular Location**

[Isoform 1]: Basolateral cell membrane; Multi-pass membrane protein. Note=Localized to the basolateral membrane of choroid plexus epithelium.

**Tissue Location**

Generally the expression of isoform 1 is higher than that of isoform 2. [Isoform 2]: Expressed in heart, brain, cerebellum, testis, lung, thyroid, spleen and liver (PubMed:16971491). In testis, primarily localized to the basal membrane of Sertoli cells and weakly expressed within the tubules (PubMed:35307651, PubMed:16971491). In testis, also present in spermatogonia at different stages. In brain, expressed in the choroid plexus epithelium, at the apical membrane as well as in the subapical intracellular vesicular compartments. In brain, also associated with neuronal bodies and axons in both the gray and the white matters of the frontal cortex (PubMed:16971491)

**SLC03A1 Polyclonal Antibody - 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](#)

**SLC03A1 Polyclonal Antibody - Images**