10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Slco1a1 Rabbit pAb

Catalog # AP97023

## Product Information

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| **Application** | WB |
| **Primary Accession** | Q9QXZ6 |
| **Other Accession** | Q9QXZ6 |
| **Reactivity** | Mouse |
| **Predicted** | Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 74396 |
| **Physical State** | Liquid |
| **Immunogen** | Recombinant mouse Slco1a1 protein |
| **Epitope Specificity** | 108-158/670 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Belongs to the organo anion transporter (TC 2.A.60) family. [SIMILARITY] Contains 1 Kazal-like domain. |
| **SUBUNIT** | Binds to PDZK1. Interaction with PDZK1 is required for expression on hepatocyte surface. |
| **Post-translational modifications** | Glycosylated. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | mediates the transport of sulfated, amidated bile acid, sulfolithocholyltaurine, into rat hepatocytes |

## Additional Information

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| **Gene ID** | 28248 |
| **Other Names** | A530084B21; OATP-1; Oatp1; Oatp1a1; Slc21a1; Slc21a3; SO1A1_MOUSE; Slco1a1; Sodium-independent organic anion-transporting polypeptide 1 (OATP-1); Solute carrier family 21 member 1; SO1A1_RAT; Organic anion-transporting polypeptide 1 (OATP-1); Sodium-independent organic anion transporter 1; |
| **Dilution** | WB=1:500-2000 |
| **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. |

## Protein Information

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| **Name** | Slco1a1 {ECO:0000312\|MGI:MGI:1351891} |
| **Function** | Mediates the Na(+)-independent transport of organic anions such as steroid sulfate conjugates (dehydroepiandrosterone sulfate (DHEAS), 17-beta-glucuronosyl estradiol, estrone-3-sulfate), conjugated (taurocholate) and unconjugated (cholate) bile acids, prostaglandin E2 (PGE2) and L-thyroxine T4 (PubMed:10600646, PubMed:11267661). Also capable of transporting sulfobromophthalein (BSP), ouabain and gadoxetate (PubMed:10600646). Hydrogencarbonate/HCO3(-) acts as the probable counteranion that exchanges for organic anions (By similarity). Shows a pH-sensitive substrate specificity which may be ascribed to the protonation state of the binding site and leads to a stimulation of substrate transport in an acidic microenvironment (By similarity). |
| **Cellular Location** | Basolateral cell membrane {ECO:0000250\|UniProtKB:P46720}; Multi-pass membrane protein {ECO:0000250\|UniProtKB:P46720} |
| **Tissue Location** | Highly expressed in liver, and at lower levels in kidney (PubMed:10600646, PubMed:11267661). Not detected in other tissues (PubMed:10600646). |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.