

# Slco1a1 Rabbit pAb

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Catalog # AP94652

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF
<b>Primary Accession</b>	<a href="#">P46720</a>
<b>Reactivity</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	74178
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from rat Slco1a1
<b>Epitope Specificity</b>	2-90/670
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Basolateral cell membrane
<b>SIMILARITY</b>	Belongs to the organo anion transporter (TC 2.A.60) family. [SIMILARITY] Contains 1 Kazal-like domain.
<b>SUBUNIT</b>	Binds to PDZK1. Interaction with PDZK1 is required for expression on hepatocyte surface.
<b>Post-translational modifications</b>	Glycosylated.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	mediates the transport of sulfated, amidated bile acid, sulfolithocholytaurine, into rat hepatocytes

## Additional Information

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<b>Gene ID</b>	50572
<b>Other Names</b>	Solute carrier organic anion transporter family member 1A1, Organic anion-transporting polypeptide 1, OATP-1, Sodium-independent organic anion transporter 1, Solute carrier family 21 member 1, Slco1a1 {ECO:0000312   RGD:3700}
<b>Target/Specificity</b>	Highly expressed in liver and kidney, and at lower levels in brain, lung, skeletal muscle and proximal colon.
<b>Dilution</b>	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	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.

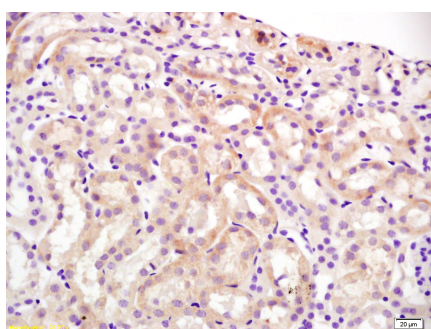
## Protein Information

<b>Name</b>	Slco1a1 {ECO:0000312   RGD:3700}
<b>Function</b>	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: <a href="#">19129463</a> ). Also capable of transporting sulfobromophthalein (BSP), ouabain and gadoxetate (By similarity). Hydrogencarbonate/HCO <sub>3</sub> <sup>-</sup> acts as the probable counteranion that exchanges for organic anions (PubMed: <a href="#">19129463</a> ). 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 (PubMed: <a href="#">19129463</a> ).
<b>Cellular Location</b>	Basolateral cell membrane; Multi-pass membrane protein
<b>Tissue Location</b>	Highly expressed in liver and kidney, and at lower levels in brain, lung, skeletal muscle and proximal colon

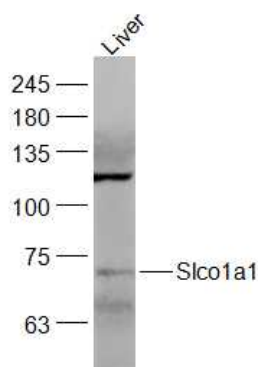
## Background

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## Images



Tissue/cell: mouse kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-OATP-1/Slco1a1 Polyclonal Antibody, Unconjugated(AP94652) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti-Slco1a1 (AP94652) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 74 kD Observed band size: 73 kD

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