

Slco1a1 Rabbit pAb

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Catalog # AP94652

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P46720
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74178
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from rat Slco1a1
Epitope Specificity	2-90/670
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Basolateral cell membrane
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, sulfolithocholytaurine, into rat hepatocytes

Additional Information

Gene ID	50572
Other Names	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}
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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

Name	Slco1a1 {ECO:0000312 RGD:3700}
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:[19129463](#)). Also capable of transporting sulfobromophthalein (BSP), ouabain and gadoxetate (By similarity). Hydrogencarbonate/HCO₃⁻ acts as the probable counteranion that exchanges for organic anions (PubMed:[19129463](#)). 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:[19129463](#)).

Cellular Location

Basolateral cell membrane; Multi-pass membrane protein

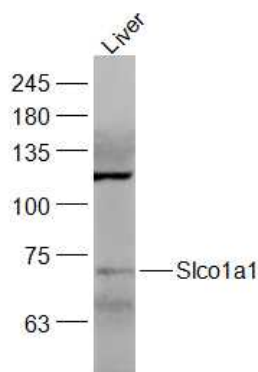
Tissue Location

Highly expressed in liver and kidney, and at lower levels in brain, lung, skeletal muscle and proximal colon

Background

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Images



Sample:

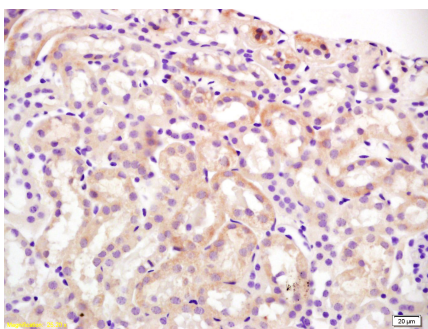
Liver (Mouse) Lysate at 40 ug

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



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

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