

Rabbit SLC10A1 Polyclonal Antibody | anti-SLC10A1 antibody

Anti-SLC10A1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11511	Rabbit	Human, Rat Predict: Mouse	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

SLC10A1; Polyclonal Antibody; Anti-SLC10A1 antibody; Sodium/bile acid cotransporter; solute carrier family 10(sodium/bile acid cotransporter family); member 1; Cell growth-inhibiting gene 29 protein antibody; Growth inhibiting protein 29 antibody; Na/bile acid cotransporter antibody; Na/taurocholate transport protein antibody; Na(+)/bile acid cotransporter antibody; Na(+)/taurocholate transport protein antibody; Na/taurocholate cotransporting polypeptide antibody; NTCP antibody; NTCP_HUMAN antibody; NTCP1 antibody; SLC10A1 antibody; Sodium/bile acid cotransporter antibody; Sodium/taurocholate cotransporter antibody; Sodium/taurocholate cotransporting polypeptide antibody; Solute carrier family 10(sodium/bile acid cotransporter family) member 1 antibody; Solute carrier family 10 member 1 antibody; anti-SLC10A1 antibody

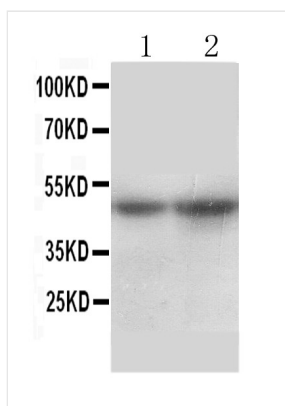
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat Predict: Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	349
Applicable Applications for anti-SLC10A1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot (WB): Concentration: 0.1-0.5ug/ml Tested Species: Rat Predicted Species: Hu, Ms Antigen Retrieval: n/a Immunohistochemistry (IHC) Paraffin-embedded Section: Concentration: 0.5-1ug/ml Tested Species: Hu, Rat Predicted Species: Ms Antigen Retrieval: By Heat Predicted Species: Species predicted to be fit for the product based on sequence similarities. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. other applications have not been tested Optimal dilutions should be determined by end users.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SLC10A1 (141-154aa YSRGIYDGDLDKDV), different from the related rat and mouse sequences by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Preparation and Storage

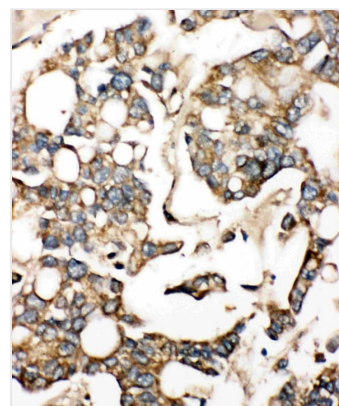
At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti-SLC10A1 antibody, AAA11511, Western blotting All lanes: Anti SLC10A1 (AAA11511) at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 50ug Lane 2: Mouse Liver Tissue Lysate at 50ug Predicted bind size: 38-56KD Observed bind size: 49KD



IHC (Immunohistochemistry)

Anti-SLC10A1 antibody, AAA11511, IHC(P) IHC(P): Human Liver Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-SLC10A1 antibody

Description: Rabbit IgG polyclonal antibody for Sodium/bile acid cotransporter (SLC10A1) detection. Tested with WB, IHC-P in Human, Mouse, Rat.

Background: SLC10A1 (SOLUTE CARRIER FAMILY 10 (SODIUM/BILE ACID COTRANSPORTER FAMILY), MEMBER 1), also called NTCP or NTCP1, is found in the basolateral membranes of hepatocytes, which is also involved in the reabsorption of bile acids. The SLC10A1 gene is mapped on 14q24.2. The SLC10A1 gene contains 5 exons and spans about 23 kb. Like other sodium/bile acid transporters, SLC10A1 contains an exoplasmic N terminus, an odd number of transmembrane regions, and a cytoplasmic C terminus. Two amphipathic sequences are critical for intramolecular interactions and for proper trafficking of SLC10A1 to the plasma membrane. Injection of in vitro transcribed NTCP cRNA into *Xenopus* oocytes resulted in the expression of Na(+)-dependent taurocholate uptake. NTCP-mediated taurocholate uptake in oocytes was inhibited by all major bile acid derivatives and by bromosulfophthalein.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2498046
NCBI GeneID	6554
UniProt Accession #	Q14973; Q2TU29; B9EGB6
Molecular Weight	38,119 Da
NCBI Official Full Name	Sodium/bile acid cotransporter
NCBI Official Synonym Full Names	solute carrier family 10 (sodium/bile acid cotransporter), member 1
NCBI Official Symbol	SLC10A1
NCBI Official Synonym Symbols	NTCP
NCBI Protein Information	sodium/bile acid cotransporter; growth-inhibiting protein 29; Na(+)/bile acid cotransporter; sodium/taurocholate cotransporter; solute carrier family 10 member 1; Na(+)/taurocholate transport protein; cell growth-inhibiting gene 29 protein; Na/taurocholate cotransporting polypeptide; sodium/taurocholate cotransporting polypeptide; solute carrier family 10 (sodium/bile acid cotransporter family), member 1
UniProt Protein Name	Sodium/bile acid cotransporter
UniProt Gene Name	SLC10A1

UniProt Synonym Gene Names	NTCP
UniProt Entry Name	NTCP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc10a1-antibody-western-blot-immunohistochemistry-elisa/11511>