

SLC10A2 / ASBT Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2817a**Specification**

SLC10A2 / ASBT Antibody (C-Term) - Product Information

Application	IHC
Primary Accession	Q12908
Other Accession	NP_000443.1 , 6555
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	37714

SLC10A2 / ASBT Antibody (C-Term) - Additional Information**Gene ID** 6555**Other Names**

Ileal sodium/bile acid cotransporter, Apical sodium-dependent bile acid transporter, ASBT, Ileal Na(+)/bile acid cotransporter, Ileal sodium-dependent bile acid transporter, IBAT, ISBT, Na(+)-dependent ileal bile acid transporter, Sodium/taurocholate cotransporting polypeptide, ileal, Solute carrier family 10 member 2, SLC10A2, ASBT, ISBT, NTCP2

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SLC10A2 / ASBT Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC10A2 / ASBT Antibody (C-Term) - Protein Information**Name** SLC10A2**Synonyms** ASBT, ISBT, NTCP2**Function**

Plays a critical role in the sodium-dependent reabsorption of bile acids from the lumen of the small intestine (PubMed:7592981, PubMed:<a href="http://www.uniprot.org/citations/9458785"

target="_blank">9458785, PubMed:9856990). Transports various bile acids, unconjugated or conjugated, such as cholate and taurocholate (PubMed:7592981, PubMed:9458785, PubMed:9856990). Also responsible for bile acid transport in the renal proximal tubules, a salvage mechanism that helps conserve bile acids (Probable). Works collaboratively with the Na(+)-taurocholate cotransporting polypeptide (NTCP), the organic solute transporter (OST), and the bile salt export pump (BSEP), to ensure efficacious biological recycling of bile acids during enterohepatic circulation (PubMed:33222321).

Cellular Location

Membrane; Multi-pass membrane protein.

Tissue Location

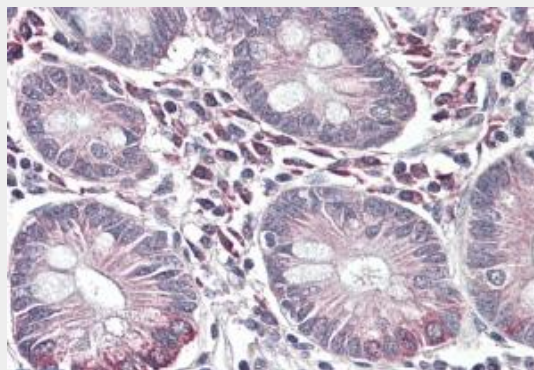
Mainly expressed in ileum and kidney, lower expression in cecum.

SLC10A2 / ASBT Antibody (C-Term) - 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](#)

SLC10A2 / ASBT Antibody (C-Term) - Images



AF2817a (3.8 µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

SLC10A2 / ASBT Antibody (C-Term) - References

Modulation of ileal bile acid transporter (ASBT) activity by depletion of plasma membrane cholesterol: association with lipid rafts. Annaba F, Sarwar Z, Kumar P, Saksena S, Turner JR, Dudeja PK, Gill RK, Alrefai WA. Am J Physiol Gastrointest Liver Physiol. 2008 Feb;294(2):G489-97. Epub 2007 Dec 6. PMID: 18063707