

Goat anti-SLC10A2 / ASBT Antibody

Item Number	dAP-1755
Target Molecule	Principle Name: SLC10A2 / ASBT; Official Symbol: SLC10A2; All Names and Symbols: SLC10A2; ASBT; solute carrier family 10 (sodium/bile acid cotransporter family), member 2; ISBT; NTCP2; OT-THUMP00000040691; ileal apical sodium-dependent bile acid transporter; ileal sodium-dependent bile acid transporter; Accession Number (s): NP_000443.1; Human Gene ID(s): 6555; Non-Human GeneID(s):
Immunogen	YKANGGFQPDEK, is from C Terminus
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Preliminary experiments gave an approx. 60kDa band in Human Kidney lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 37.
IHC	Immunohistochemistry: In paraffin embedded Human Small Intestine shows staining of cells in the lamina propria between the intestinal villi. Recommended concentration, 3-6µg/ml.
Reference	Reference(s): Annaba F, Sarwar Z, Kumar P, Saksena S, Turner JR, Dudeja PK, Gill RK, Alrefai WA. Modulation of ileal bile acid transporter (ASBT) activity by depletion of plasma membrane cholesterol: association with lipid rafts. Am J Physiol Gastrointest Liver Physiol. 2008 Feb;294(2):G489-97. Epub 2007 Dec

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**