

## Anti-SLC10A1/NTCP1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A06872-1-Fluoro488

### About Slc10a1

Sodium/bile acid cotransporter also known as the Na<sup>+</sup>-taurocholate cotransporting polypeptide (NTCP) or liver bile acid transporter (LBAT) is a protein that in humans is encoded by the SLC10A1 (solute carrier family 10 member 1) gene. It is mapped to 12 C3-D1; 12 37.21 cM. The protein encoded by this gene belongs to the sodium/bile acid cotransporter family, which are integral membrane glycoproteins that participate in the enterohepatic circulation of bile acids. Two homologous transporters are involved in the reabsorption of bile acids; the ileal sodium/bile acid cotransporter with an apical cell localization that absorbs bile acids from the intestinal lumen, bile duct and kidney, and the liver-specific sodium/bile acid cotransporter, represented by this protein, that is found in the basolateral membranes of hepatocytes. Bile acids are the catabolic product of cholesterol metabolism, hence this protein is important for cholesterol homeostasis.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-SLC10A1/NTCP1 Antibody Picoband® Fluoro488 Conjugated  |
| Reactive Species     | Mouse, Rat  |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .  |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | O08705  |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived mouse SLC10A1/NTCP1 recombinant protein (Position: F300-N342). |
| Cross Reactivity | No cross-reactivity with other proteins.                                      |
| Isotype          | Rabbit IgG  |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | Fluoro488<br>Excitation Wavelength: 488 nm                                    |

|                     |  |
|---------------------|--|
|                     | Emission Wavelength: 515-545 nm                      |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-SLC10A1/NTCP1 Antibody - Fluoro488

For Research Use Only. Not for use in diagnostic procedures.