

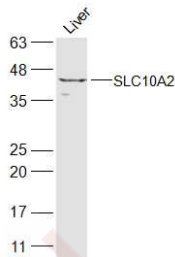
## Anti-SLC10A2 Polyclonal Antibody

### Product Details

|                   |                                      |
|-------------------|--------------------------------------|
| Ig Type:          | IgG                                  |
| Reactivity:       | Mouse,Rat                            |
| Molecular Weight: | Theoretical: 38 kDa. Actual: 43 kDa. |
| Purification:     | Protein A purified                   |

### Applications

|                    |   |
|--------------------|---|
| Sample:            | Liver (Mouse) Lysate at 40 µg   |
| Verified Activity: | Primary: Anti-SLC10A2 (TMAB-01700) at 1/300 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 38 kDa<br>Observed band size: 43 kDa |



|              |                                     |
|--------------|-------------------------------------|
| Application: | ELISA,WB                            |
| Recommended  | WB: 1:500-2000; ELISA: 1:5000-10000 |

### Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

### Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | KLH conjugated synthetic peptide: mouse ASBT/SLC10A2   |
| Antigen Species: | Mouse  |
| Gene ID:         | 20494  |
| Uniprot ID:      | P70172   |
| Synonyms:        | Ileal sodium dependent bile acid transporter;solute carrier family 10(sodium/bile acid cotransporter family);Ileal sodium/bile acid cotransporter;Na+bile acid cotransporter; Na+dependent ileal bile acid transporter;NTCP2;Solute carrier family 10 member 2;Apical sodium dependent bile acid transporter;Sodium/taurocholate cotransporting polypeptide, ileal;ASBT;ISBT |
| Biology Area:    | Metabolism of lipids and lipoproteins,Lipid metabolism,Lipid metabolism,Channels   |

### Research Background

SLC10A2 plays a critical role in reabsorption of bile acids from the the small intestine lumen. Passive flow of sodium ions down their concentration gradient is coupled to bile acid movement, resulting in an increase in the concentration of bile acids in the interior of the cell. This action conserves the body's pool of re-circulating bile acid. SLC10A2 also plays a key role in cholesterol metabolism as cholesterol is the precursor molecule in bile acid synthesis mediated by CYP7A and FXR.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481