

**bs-41358R**

**[ Primary Antibody ]**

## SLC10A2 Rabbit pAb

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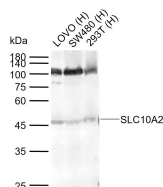
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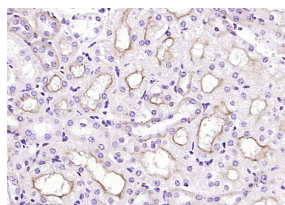
### DATASHEET

|   |                      |  |
|---|----------------------|--|
| <b>Host:</b> Rabbit   | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>WB</b> (1:500-2000)<br><b>IHC-P</b> (1:100-500)<br><b>IHC-F</b> (1:400-800)<br><b>IF</b> (1:100-500)<br><b>ELISA</b> (1:5000-10000)<br><br><b>Reactivity:</b> Human, Mouse<br>(predicted: Rat)<br><br><b>Predicted MW.:</b> 38 kDa<br><br><b>Subcellular Location:</b> Cell membrane |
| <b>Clonality:</b> Polyclonal  |                      |  |
| <b>GeneID:</b> 20494  | <b>SWISS:</b> P70172 |  |
| <b>Target:</b> SLC10A2  |                      |  |
| <b>Immunogen:</b> Recombinant mouse SLC10A2 protein: 306-348/348. < Cytoplasmic >   |                      |  |
| <b>Purification:</b> affinity purified by Protein A   |                      |  |
| <b>Concentration:</b> 1mg/ml  |                      |  |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  |                      |  |
| <b>Background:</b> 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. |                      |  |

### VALIDATION IMAGES



Sample: Lane 1: Human LOVO cell lysates Lane 2: Human SW480 cell lysates Lane 3: Human 293T cell lysates Primary: Anti-SLC10A2 (bs-41358R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kDa Observed band size: 46 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SLC10A2) Polyclonal Antibody, Unconjugated (bs-41358R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.