

bs-23146R**[Primary Antibody]****SLC10A2 Rabbit pAb****BioSS**
ANTIBODIES

www.bioss.com.cn

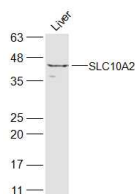
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) ELISA (1:5000-10000)
Clonality: Polyclonal		
GeneID: 6555	SWISS: Q12908	Reactivity: Mouse, Rat
Target: SLC10A2		
Immunogen: KLH conjugated synthetic peptide derived from human ASBT/SLC10A2: 131-230/348. < Extracellular >		
Purification: affinity purified by Protein A		Predicted MW.: 38 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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.		

— VALIDATION IMAGES —

Sample: Liver (Mouse) Lysate at 40 ug Primary:
Anti-SLC10A2 (bs-23146R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 38 kD
Observed band size: 43 kD

— SELECTED CITATIONS —

- **[IF=5.656]** Sundaram S et al. Mechanism of Dyslipidemia in Obesity—Unique Regulation of Ileal Villus Cell Brush Border Membrane Sodium–Bile Acid Cotransport. Cells. 2019 Oct 3;8(10). pii: E1197. WB ;Human. 31623375
- **[IF=4.4]** Xiao Ying. et al. Pulsatilla decoction alleviates DSS-induced UC by activating FXR-ASBT pathways to ameliorate disordered bile acids homeostasis. FRONT PHARMACOL. 2024 Jun;15: WB ;Mouse. 38974033