bs-1958R **[Primary Antibody]**

SLC10A1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 6554 **SWISS:** Q14973

Target: SLC10A1

Immunogen: KLH conjugated synthetic peptide derived from human NTCP: 21-120/349.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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: Sodium/bile acid cotransporters are integral membrane glycoproteins that participate in the enterohepatic circulation of bile acids. Two homologous transporters are involved in the reabsorption of bile acids, one absorbing from the intestinal lumen, the bile duct, and the kidney with an apical localization(SLC10A2; MIM 601295), and the other being found in the basolateral membranes of hepatocytes (SLC10A1).[supplied by OMIM]

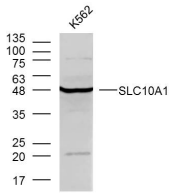
Applications: **WB** (1:500-2000)

Reactivity: Mouse, Rat

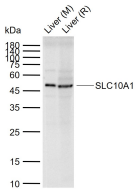
Predicted MW.: 38 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: K562 (human)cell Lysate at 40 ug Primary: Anti- SLC10A1 (bs-1958R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 38 kD Observed band size: 48 kD



Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Rat Liver tissue lysates Primary: Anti-SLC10A1 (bs-1958R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: kDa Observed band size: 48 kDa

SELECTED CITATIONS

- **[IF=12.7]** Jingyi Shi. et al. Association between NTCP hepatic expression and inflammation/fibrosis as well as gender-specific differences in chronic HBV-infected patients. J MED VIROL. 2024 Jan;96(1):e29428 WB ;Human. 38258306
- **[IF=6.876]** Song Guochao. et al. Potential therapeutic action of tauroursodeoxycholic acid against cholestatic liver injury via hepatic Fxr/Nrf2 and CHOP-DR5-caspase-8 pathway. CLIN SCI. 2023 Apr;137(7):561-577 WB ;Mouse. 36795945
- **[IF=4.117]** Tan Qin. et al. Oligomerization of the HBV/HDV functional receptor NTCP expressed in Sf9 insect cell. BBA-GEN SUBJECTS. 2022 Aug;:130224 IF ;Insect. 35944837
- **[IF=3.628]** Jing Zhao. et al. The choleretic role of tauroursodeoxycholic acid exacerbates alpha-naphthylisothiocyanate induced cholestatic liver injury through the FXR/BSEP pathway. J APPL TOXICOL. 2023 Feb;: WB ;Mouse. 36787806
- **[IF=4.1]** Wenjing Lu. et al. Seasonal changes of vitamin D3 and ovarian steroidogenesis in the wild ground squirrels

(Citellus dauricus Brandt). J STEROID BIOCHEM. 2023 Nov;234:106385 IHC ;Squirrel. 37633652