bs-23976R **[Primary Antibody]**

SCARB1/Scavenger Receptor BI Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 949 **SWISS:** Q14108

Target: SCARB1/Scavenger Receptor BI

Immunogen: KLH conjugated synthetic peptide derived from human SCARB1/Scavenger Receptor BI: 201-300/552. < Extracellular >

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: High density lipoproteins (HDLs) play a critical role in cholesterol metabolism and their plasma concentrations are inversely correlated with risk for atherosclerosis. The SR-BI (Scavenger Receptor BI) protein binds HDLs and mediates selective uptake of HDL cholesteryl ester. SR-BI binds HDL with high affinity, is expressed primarily in liver and nonplacental steroidgenic tissues, and mediates selective cholesterol uptake by a distinct mechanism. In mice, it seems that SR-BI plays a key role in determining the levels of plasma lipoprotein cholesterol and the accumulation of cholesterol stores in the adrenal gland. Scavenging Receptor SR-BI plays a critical role in HCV attachment and/or cell entry by interacting with HCV E1/E2 glycoproteins heterodimer.

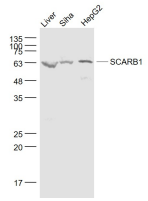
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Horse)

Predicted MW.: 61 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: Liver (Mouse) Lysate at 40 ug
Siha(Human) Cell Lysate at 30 ug
HepG2(Human) Cell Lysate at 30 ug Primary:
Anti- SCARB1 (bs-23976R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 61 kD
Observed band size: 63 kD

SELECTED CITATIONS

- **[IF=4.109]** Yu Haiyi. et al. The Foam Cell Formation Associated With Imbalanced Cholesterol Homeostasis Due to Airborne Magnetite Nanoparticles Exposure. TOXICOL SCI. 2022 Aug;: WB ;Mouse,Human. 35913497