**bs-23977R** **[ Primary Antibody ]**

# SCARB1/Scavenger Receptor BI Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 12492 **SWISS:** O35114

**Target:** SCARB1/Scavenger Receptor BI

**Immunogen:** KLH conjugated synthetic peptide derived from mouse SCARB1/Scavenger Receptor BI : 411-509/509.

**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.

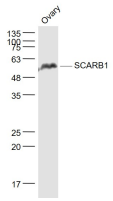
**Applications:** **WB** (1:500-2000)

**Reactivity:** Mouse (predicted: Rat)

**Predicted MW.:** 61 kDa

**Subcellular Location:** Cell membrane ,Cytoplasm

## VALIDATION IMAGES




Sample: Ovary (Mouse) Lysate at 40 ug Primary: Anti- SCARB1 (bs-23977R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kD Observed band size: 57 kD

## SELECTED CITATIONS

- **[IF=5.3]** Yue Li. et al. Huayu Qutan Recipe promotes lipophagy and cholesterol efflux through the mTORC1/TFEB/ABCA1-SCARB1 signal axis. J CELL MOL MED. 2024 Mar;28(8):e18257 WB ;Mouse. 38526033