

SCARB1/Scavenger Receptor BI Rabbit pAb
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Catalog # AP94272**Specification****SCARB1/Scavenger Receptor BI Rabbit pAb - Product Information**

Application	WB
Primary Accession	Q61009
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse SCARB1/Scavenger Receptor BI
Epitope Specificity	411-509/509
Isotype	IgG
Purity affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Multi-pass membrane protein. Membrane, caveola; Multi-pass membrane protein. Note=Predominantly localized to cholesterol and sphingomyelin-enriched domains within the plasma membrane, called caveolae. Belongs to the CD36 family.
SIMILARITY	Plays a critical role in HCV attachment and/or cell entry by interacting with HCV E1/E2 glycoproteins heterodimer. The C-terminal region binds to PDZK1.
SUBUNIT	N-glycosylated.
Post-translational modifications	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Important Note	

Background Descriptions

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 steroidogenic 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.

SCARB1/Scavenger Receptor BI Rabbit pAb - Additional Information

Gene ID 20778**Other Names**

Scavenger receptor class B member 1, SRB1, SR-BI, Scarb1, Srb1

Target/Specificity

Widely expressed. The six cysteines of the extracellular domain are all involved in intramolecular disulfide bonds.

Dilution

WB~~1:1000

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

SCARB1/Scavenger Receptor BI Rabbit pAb - Protein Information**Name** Scarb1**Synonyms** Srb1**Function**

Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells (By similarity). Both isoform 1 and isoform 2 act as receptors for HDL, mediating selective uptake of cholesteryl ether and HDL-dependent cholesterol efflux (PubMed: [9254074](http://www.uniprot.org/citations/9254074), PubMed: [9614139](http://www.uniprot.org/citations/9614139)). Also facilitates the flux of free and esterified cholesterol between the cell surface and apoB-containing lipoproteins and modified lipoproteins, although less efficiently than HDL. May be involved in the phagocytosis of apoptotic cells, via its phosphatidylserine binding activity (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein Membrane, caveola; Multi-pass membrane protein. Note=Predominantly localized to cholesterol and sphingomyelin-enriched domains within the plasma membrane, called caveolae. [Isoform 2]: Cell membrane. Membrane, caveola

Tissue Location

Expressed primarily in liver, ovary and adrenal gland, and, at lower levels in other non-placental steroidogenic tissues, including adipose tissue, mammary gland and testis (at protein level) (PubMed:8560269, PubMed:9254074, PubMed:9614139). Isoform 2 is expressed at lower levels than isoform 1 in liver, testis and adrenal gland (PubMed:9614139). At the mRNA, but not at the protein level, isoform 2 is the predominant isoform in testis (80%) (PubMed:9254074)

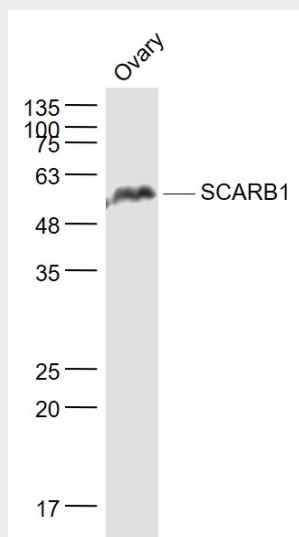
SCARB1/Scavenger Receptor BI Rabbit pAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SCARB1/Scavenger Receptor BI Rabbit pAb - Images



Sample: Ovary (Mouse) Lysate at 40 ug Primary: Anti- SCARB1 (AP94272) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kD
Observed band size: 57 kD

SCARB1/Scavenger Receptor BI Rabbit pAb - Background

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