

Goat Anti-SCARB1 / SR-BI Antibody (internal region)

Purified Goat Polyclonal Antibody Catalog # AF4166a

Specification

Goat Anti-SCARB1 / SR-BI Antibody (internal region) - Product Information

Application WB

Primary Accession <u>Q8WTV0</u>

Other Accession <u>NP_005496.4</u>, <u>NP_001076428.1</u>

Reactivity
Predicted
Host
Clonality
Human
Foot
Human
Goat
Polyclonal

Concentration 0.5
Calculated MW 60878

Goat Anti-SCARB1 / SR-BI Antibody (internal region) - Additional Information

Gene ID 949

Other Names

SCARB1; scavenger receptor class B, member 1; CD36L1; CLA-1; CLA1; HDLQTL6; SR-BI; SRB1; CD36 and LIMPII analogous 1; CD36 antigen (collagen type I receptor, thrombospondin receptor)-like 1; scavenger receptor class B member 1; scavenger receptor class B type III

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence C-NGLSKVDFWHSDQ, from the internal region of the protein sequence according to NP 005496.4; NP 001076428.1.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-SCARB1 / SR-BI Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SCARB1 / SR-BI Antibody (internal region) - Protein Information

Name SCARB1

Synonyms CD36L1, CLA1



Function

Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells (PubMed:12016218, PubMed:12519372, PubMed:21226579). Receptor for HDL, mediating selective uptake of cholesteryl ether and HDL-dependent cholesterol efflux (PubMed:26965621). 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 (PubMed:12016218/a>).

Cellular Location

Cell membrane; Multi-pass membrane protein. Membrane, caveola {ECO:0000250|UniProtKB:Q61009}; Multi-pass membrane protein Note=Predominantly localized to cholesterol and sphingomyelin-enriched domains within the plasma membrane, called caveolae

Tissue Location

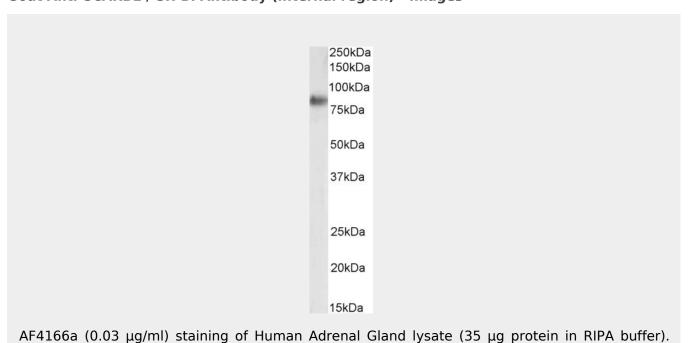
Widely expressed.

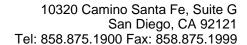
Goat Anti-SCARB1 / SR-BI Antibody (internal region) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Goat Anti-SCARB1 / SR-BI Antibody (internal region) - Images







Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-SCARB1 / SR-BI Antibody (internal region) - References

An involvement of SR-B1 mediated PI3K-Akt-eNOS signaling in HDL-induced cyclooxygenase 2 expression and prostacyclin production in endothelial cells. Zhang QH, Zu XY, Cao RX, Liu JH, Mo ZC, Zeng Y, Li YB, Xiong SL, Liu X, Liao DF, Yi GH. Biochem Biophys Res Commun. 2012 Mar 30;420(1):17-23.