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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, E**
Primary Accession	Q8WTV0
Other Accession	NP_005496.4, NP_001076428.1
Reactivity	**Human**
Predicted	**Human**
Host	**Goat**
Clonality	**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

Dilution
WB~~1:1000
E~~N/A

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

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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).

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
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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

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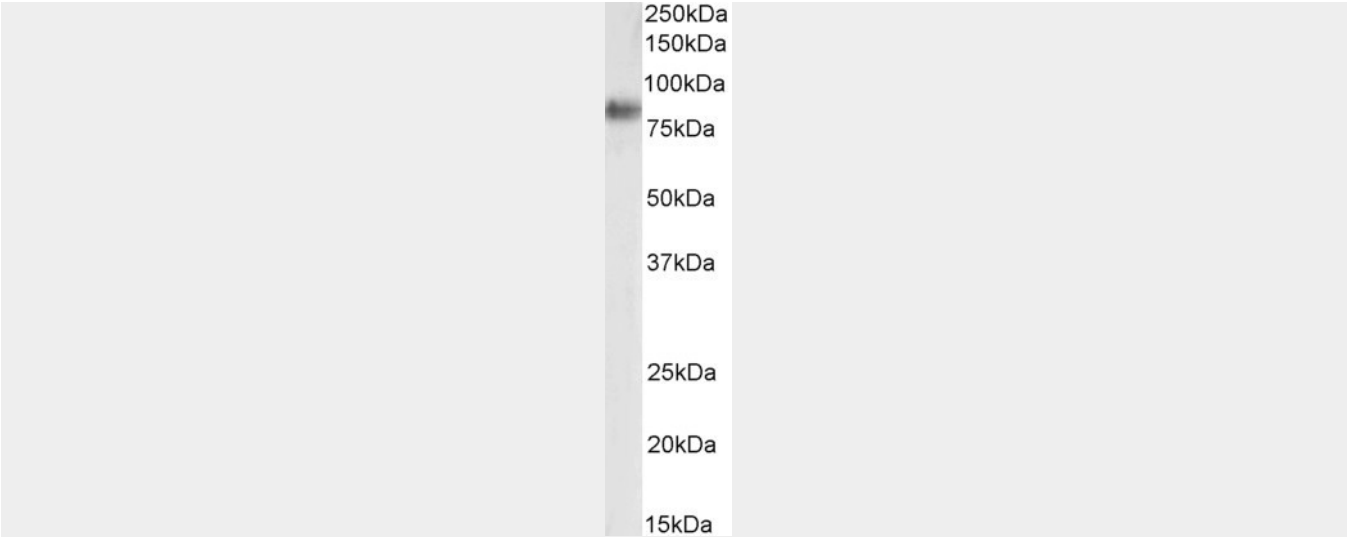

AF4166a (0.03 µg/ml) staining of Human Adrenal Gland lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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.