

Product Name: KD-Validated SCARB1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00921**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 60.9kDa

Antigen Information

Gene Name	SCARB1 SCARB1; Scavenger Receptor Class B Member 1; CLA-1; SR-BI; SRB1; CLA1; CD36L1; CD36 Antigen (Collagen Type I Receptor, Thrombospondin Receptor)-Like 1; CD36 And LIMPII
Alternative Names	Analogous 1; Collagen Type I Receptor, Thrombospondin Receptor-Like 1; Scavenger Receptor Class B, Member 1; Scavenger Receptor Class B Type III; CD36 Antigen-Like 1; CD36 Antigen; HDLQTL6; HDLCQ6
Gene ID	949.0
SwissProt ID	Q8WTV0
Immunogen	A synthesized peptide derived from human Scavenging Receptor SR-BI

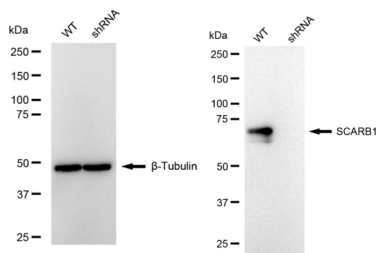
Background

The protein encoded by this gene is a plasma membrane receptor for high density lipoprotein cholesterol (HDL). The encoded protein mediates cholesterol transfer to and from HDL. In addition, this protein is a receptor for hepatitis C virus glycoprotein E2 and facilitates cell entry by the virus, SARS-CoV2. [provided by RefSeq, Oct 2021]

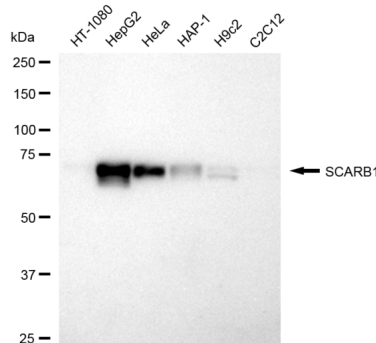
Research Area

Microbiology, Cardiovascular, Signal Transduction, Cancer, Metabolism

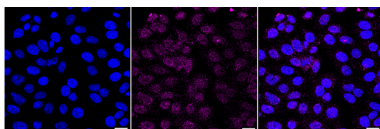
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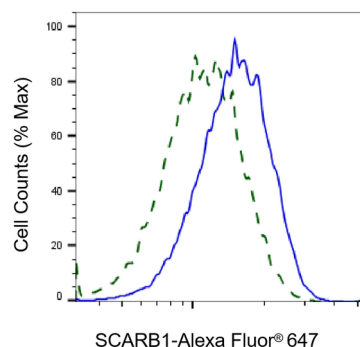
Western blotting analysis using SCARB1 antibody (KVA00921). SCARB1 expression in wild type (WT) and SCARB1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with SCARB1 antibody (KVA00921, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using SCARB1 antibody (KVA00921). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SCARB1 antibody (KVA00921, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with SCARB1 antibody (KVA00921, 1:1,000). Nuclei were stained blue with DAPI; SCARB1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Validation of SCARB1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with SCARB1 antibody (KVA00921, 1:2,000) and analyzed using BD flow cytometer.