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KD-Validated Anti-SCARB1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1679

Specification

KD-Validated Anti-SCARB1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, ICC**
Primary Accession	Q8WTV0
Reactivity	**Rat, Human**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 61 kDa , observed, 75 kDa KDa**
Gene Name	**SCARB1**
Aliases	**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 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**
Immunogen	**A synthesized peptide derived from human Scavenging Receptor SR-BI**

KD-Validated Anti-SCARB1 Rabbit Monoclonal Antibody - Additional Information

Gene ID **949**

Other Names
Scavenger receptor class B member 1, SRB1, CD36 and LIMPII analogous 1, CLA-1, CD36 antigen-like 1, Collagen type I receptor, thrombospondin receptor-like 1, SR-BI, CD36, SCARB1, CD36L1, CLA1

KD-Validated Anti-SCARB1 Rabbit Monoclonal Antibody - 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).

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

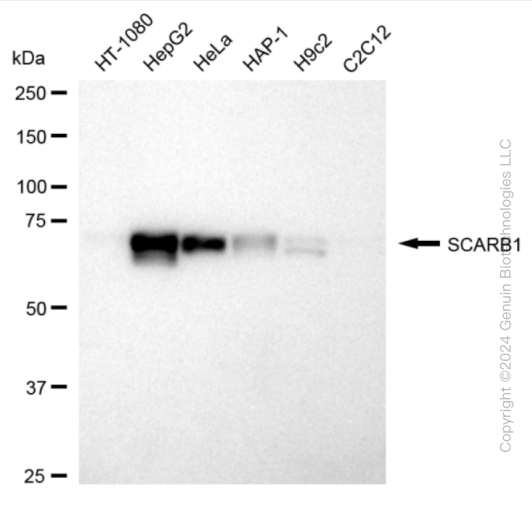
Tissue Location
Widely expressed.

KD-Validated Anti-SCARB1 Rabbit Monoclonal Antibody - 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

KD-Validated Anti-SCARB1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-SCARB1 antibody (Cat#AGI1679). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SCARB1 antibody (Cat#AGI1679, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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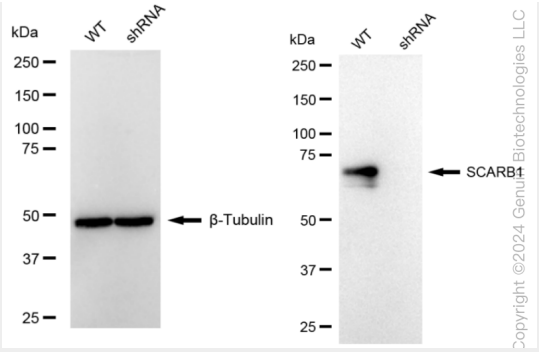
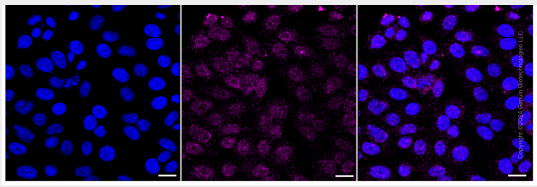


Western blotting analysis using anti-SCARB1 antibody (Cat#AGI1679). SCARB1 expression in wild type (WT) andSCARB1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-SCARB1 antibody (Cat#AGI1679, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Immunocytochemical staining of HepG2 cells with anti-SCARB1 antibody (Cat#AGI1679, 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.