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Product datasheet for TA336641

SCARB1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	Block/Neutralize, ICC/IF, IHC, IP, WB
Recommended Dilution:	Immunocytochemistry/ Immunofluorescence: 1:50-1:200, Immunoprecipitation: 1:100, Western Blot: 1:500, Block/Neutralize, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin: 1:100, Immunohistochemistry: 1:100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Adenovirus encoding mouse SR-BI. [UniProt# Q61009]
Formulation:	Tris-citrate/phosphate, pH 7, 0.1% Sodium azide. Store at 4C. Do not freeze.
Concentration:	lot specific
Purification:	Whole antisera
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	scavenger receptor class B member 1
Database Link:	NP_005496 Entrez Gene 20778 MouseEntrez Gene 25073 RatEntrez Gene 949 Human Q8WTV0

View online »

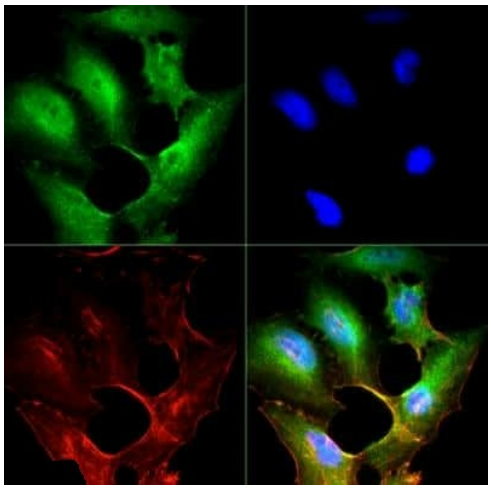
Background: SR-BI (scavenger receptor class B member 1, SCARB1) belongs to CD36 family and act as a receptor for several ligands including phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and HDL located in caveolae (regions over plasma membrane). It plays important role in meditating the uptake of HDL-derived cholesterol as well as cholesteryl ester in liver and steroidogenic tissues. It facilitates the flux of free and esterified cholesterol between cell surface and extracellular donors and acceptors, such as HDL and to a lesser extent, apoB-containing lipoproteins and modified lipoproteins. SR-BI is expressed in endothelial cells, macrophages and dendritic cells also. It has been suggested to be involved in the phagocytosis of apoptotic cells (via its phosphatidylserine binding activity); uptake of lipid soluble vitamins (vitamin E and carotenoids) and pathogen recognition, anti-inflammatory responses and its expression can be modulated by LPS as well as ROS. SR-BI has also been involved in the capture and cross-presentation of antigens from viruses, bacteria and parasites.

Synonyms: CD36L1; CLA-1; CLA1; HDLQTL6; SR-BI; SRB1

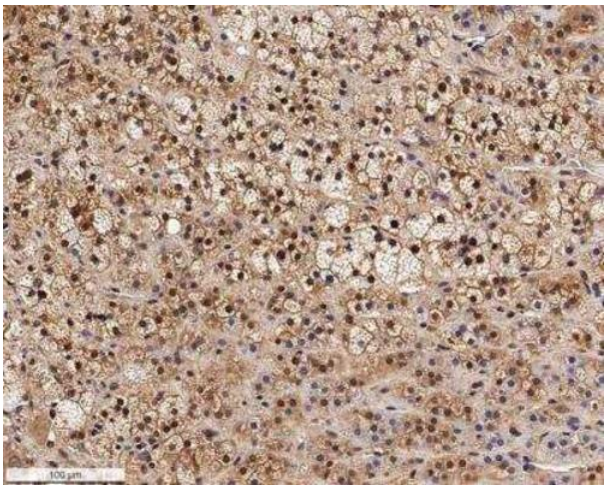
Note: This SR-BI antibody is useful for Flow Cytometry (PMID 22622498), Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Western blot and for blocking the binding of ligands to SR-BI. Immunohistochemistry-Frozen was reported in scientific literature.

Protein Families: Druggable Genome, Transmembrane

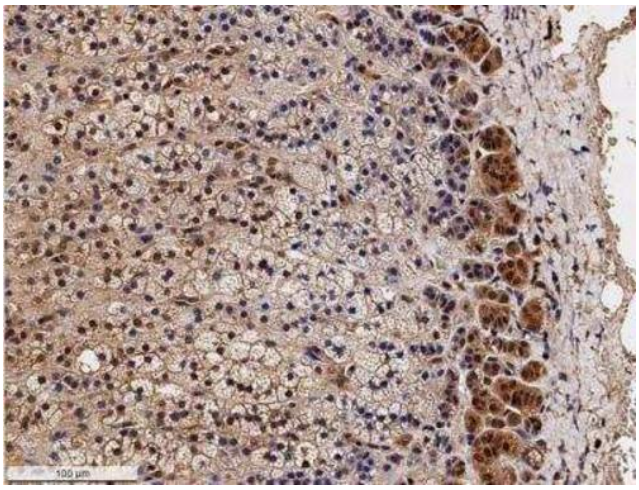
Product images:



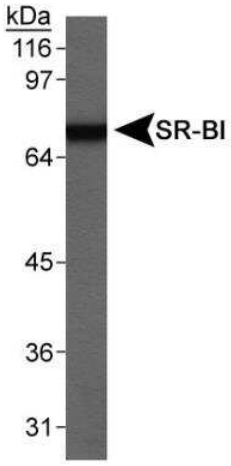
Immunocytochemistry/Immunofluorescence: SR-BI Antibody TA336641 - Antibody was tested in HeLa cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red).



Immunohistochemistry-Paraffin: SR-BI Antibody TA336641 - Analysis of a FFPE section of human adrenal gland tissue using 1:100 dilution of SR-BI antibody. The staining was developed using HRP-DAB based detection method and the nuclei of the cells were counterstained using hematoxylin. The representative section shows SR-BI/SCARB1 positivity in the glandular cells and the staining was mainly localized to the membranes of the cells.



Immunohistochemistry-Paraffin: SR-BI Antibody TA336641 - Analysis of a FFPE section of human adrenal gland tissue using 1:100 dilution of SR-BI antibody. The staining was developed using HRP-DAB based detection method and the nuclei of the cells were counterstained with hematoxylin. This antibody generated a specific staining of SR-BI/SCARB1 in the glandular cells. The staining was membrane-cytoplasmic in the zona glomerulosa cells while the signal was primarily localized to the membranes of the cells in the zona fasciculata and zona reticularis layers of the adrenal cortex.



Western Blot: SR-BI Antibody TA336641 - Detection of SR-BI (80kDa) in mouse testis lysate total protein using TA336641.