

Product Datasheet

SR-BI Antibody NB400-131SS

Unit Size: 0.025 ml

Store at 4C. Do not freeze.

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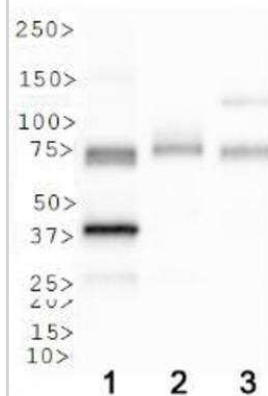
NB400-131SS

SR-BI Antibody

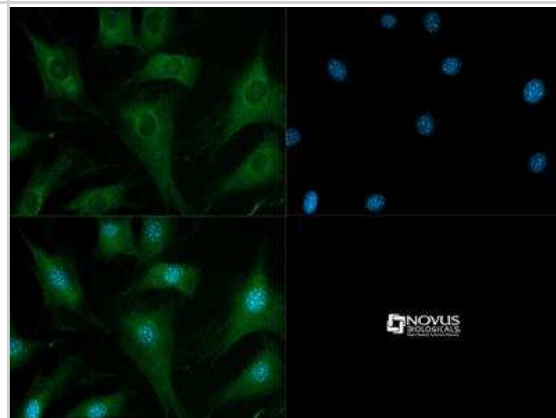
Product Information	
Unit Size	0.025 ml
Concentration	3 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	82 kDa
Product Description	
Host	Goat
Gene ID	949
Gene Symbol	SCARB1
Species	Human, Mouse, Rat, Hamster, Mustelid, Squirrel
Reactivity Notes	Customers have also reported positive detection in cytosolic fractions from 13-lined ground squirrel liver samples, with an unidentified non-specific band at ~60 kDa.
Immunogen	A synthetic peptide made to the C-terminal region of mouse SR-BI (between residues 400-509). [UniProt# Q61009]
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
Application Notes	Flow Cytometry was reported in scientific literature. Use in IHC-Paraffin reported in scientific literature (PMID 24814604). Use in IHC reported in scientific literature (PMID: 28360088). The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors. Use in IHC-Frozen reported in scientific literature (PMID 26865459).

Images

Western Blot: SR-BI Antibody [NB400-131] - Analysis of SRBI in 1. human liver lysate, 2. mouse liver lysate and 3. rat liver lysate.



Immunocytochemistry/Immunofluorescence: SR-BI Antibody [NB400-131] - SRBI antibody was tested in NIH/3T3 cells with Dylight 488 (green). Nuclei were counterstained with DAPI (blue).



Publications

Gouveia V, Rizzello L, Vidal B et al. Targeting Macrophages and Synoviocytes Intracellular Milieu to Augment Anti Inflammatory Drug Potency Advanced Therapeutics 2022-01-10 (WB, Human)

Velagapudi S, Schraml P et al. Scavenger receptor BI promotes cytoplasmic accumulation of lipoproteins in clear-cell renal cell carcinoma. J Lipid Res 2018-01-11 [PMID: 30173145] (WB, Human)

Wang D, Rohrer L, von Eckardstein A Sphingosine-1-phosphate receptors 1 and 3 regulate the expression of SR-B1 in human aortic endothelial cells bioRxiv 2020-01-01

Yalcinkaya M, Kerksiek A, Gebert K et al. HDL inhibits endoplasmic reticulum stress-induced apoptosis of pancreatic beta-cells in vitro by activation of Smoothed J. Lipid Res. 2020-01-06 [PMID: 31907205] (WB, Rat)

Caron Jerome, Pene Veronique, Tolosa Laia et al. Low-density lipoprotein receptor-deficient hepatocytes differentiated from induced pluripotent stem cells allow familial hypercholesterolemia modeling, CRISPR/Cas-mediated genetic correction, and productive hepatitis C virus infection. Stem Cell Research & Therapy 2019-07-29 [PMID: 31358055] (ICC/IF)

Oldoni F, van Capelleveen JC, Dalila N. Naturally Occurring Variants in LRP1 (Low-Density Lipoprotein Receptor-Related Protein 1) Affect HDL (High-Density Lipoprotein) Metabolism Through ABCA1 (ATP-Binding Cassette A1) and SR-B1 (Scavenger Receptor Class B Type 1) in Humans Arteriosclerosis, Thrombosis, and Vascular Biology 2018-01-01 [PMID: 29853565] (WB, Human)

Velagapudi s, Piemontese A, Meier R et al. VEGF-A Regulates Cellular Localization of SR-BI as Well as Transendothelial Transport of HDL but Not LDL. circres-submit.aha-journals.org. 2016-09-30 [PMID: 28360088] (IF/IHC, Human)

Ganesan LP, Mates JM, Cheplowitz AM et al. Scavenger receptor B1, the HDL receptor, is expressed abundantly in liver sinusoidal endothelial cells. Sci Rep. 2016-02-11 [PMID: 26865459] (IHC-Fr, WB, Mouse)

Akita N, Tsujita M, Yokota T et al. High density lipoprotein turnover is dependent on peroxisome proliferator-activated receptor alpha in mice. J Atheroscler Thromb 2010-11-27 [PMID: 20668363] (Mouse)

Hashimoto K, Suzuki H, Taniguchi K et al. Catalytic mechanism of nitrile hydratase proposed by time-resolved X-ray crystallography using a novel substrate, tert-butylisonitrile. J Biol Chem 2008-12-26 [PMID: 18948265]

Airanthi M, Widjaja-Adhi K, Lobo GP et al. A genetic dissection of intestinal fat-soluble vitamin and carotenoid absorption Hum. Mol. Genet. 2015-02-20 [PMID: 25701869] (WB, Mouse)

Details:

SR-BI/SCARB1 antibody used for WB on mouse small intestine tissue extracts employing a primary antibody dilution of 1:1,000 with overnight incubation at 4C (Figure 6 & 7).

Varatharajalu R, Garige M, Leckey LC et al. Adverse Signaling of Scavenger Receptor Class B1 and PGC1s in Alcoholic Hepatosteatosis and Steatohepatitis, and Protection by Betaine in Rat. Am. J. Pathol. 2014-05-06 [PMID: 24814604] (IHC-P, WB, Rat)

More publications at <http://www.novusbio.com/NB400-131>





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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