

Product Datasheet

LIMPII/SR-B2 Antibody NB400-102

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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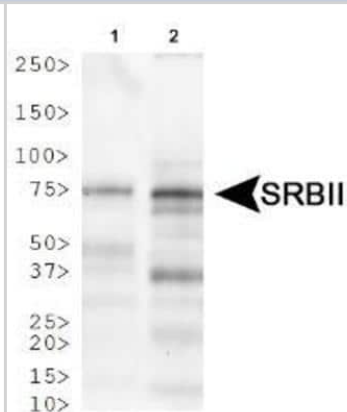
NB400-102

LIMP2/SR-B2 Antibody

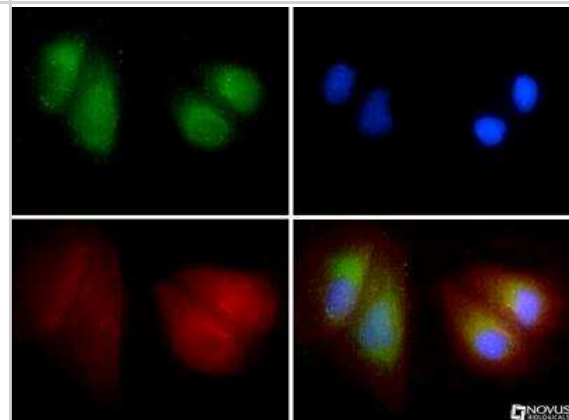
Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera
Target Molecular Weight	82 kDa
Product Description	
Host	Rabbit
Gene ID	950
Gene Symbol	SCARB2
Species	Human, Mouse, Rat, Bovine, Chinese Hamster, Hamster, Mustelid
Reactivity Notes	Mink.
Marker	Lysosome Marker
Immunogen	A peptide containing residues from mouse SR-BII (between residues 400-478) plus an N-terminal cysteine was coupled to KLH. [UniProt# O35114]
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry reported in scientific literature, Immunohistochemistry 1:25, Immunocytochemistry/ Immunofluorescence 1:25-1:100, Immunohistochemistry-Paraffin 1:25, Knockdown Validated reported in scientific literature (PMID 31132962)
Application Notes	In Western blot a band is observed at ~82 kDa in tissues that express SR-BII such as liver, testes, and adrenal glands. 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.

Images

Western Blot: SR-BII Antibody [NB400-102] - Western blot analysis of SR-BII in 1. Human heart lysate 2. Mouse heart lysate



Immunocytochemistry/Immunofluorescence: SR-BII Antibody [NB400-102] - SR-BII antibody was tested in U2OS cells with FITC (green). Nuclei and alpha-tubulin were counterstained with Dapi (blue) and Dylight 550 (red).



Publications

Zhang, X, Wang, H Et al. Enterovirus A71 Oncolysis of Malignant Gliomas. *Mol Ther* 2020-06-03 [PMID: 32304669] (IF/IHC, Mouse)

Pelletier RM, Akpovi CD, Chen L et al. Cholesterol metabolism and Cx43, Cx46, and Cx50 gap junction protein expression and localization in normal and diabetic and obese ob/ob and db/db mouse testes *Am J Physiol Endocrinol Metab.* 2017-12-31 [PMID: 28851737] (WB, Mouse)

Abad MA, Ruppert JG, Buzuk L et al. Endophilin-A2-mediated endocytic pathway is critical for enterovirus 71 entry into caco-2 cells *Emerg Microbes Infect* 2019-05-29 [PMID: 31132962] (KD, WB, Human)

Marco S, Pujol A, Roca C et al. Progressive neurologic and somatic disease in a novel model of human Mucopolysaccharidosis type IIIC. *Dis Model Mech.* 2016-08-04 [PMID: 27491071] (IF/IHC, Mouse)

Lobo M, Arenas M, Huerta L et al. Liver growth factor (LGF) induces testicular regeneration in EDS-treated rats and increases protein levels of class B scavenger receptors. *Am. J. Physiol. Endocrinol. Metab.* 2014-11-11 [PMID: 25389365] (WB, Rat)

Truong TQ, Aubin D, Falstraull L et al. SR-BI, CD36, and caveolin-1 contribute positively to cholesterol efflux in hepatic cells. *Cell Biochem Funct* 2010-08-01 [PMID: 20629037]

Casado ME, Huerta L, Ortiz AI et al. HSL-knockout mouse testis exhibits class B scavenger receptor upregulation and disrupted lipid raft microdomains *J Lipid Res* 2012-12-01 [PMID: 22988039]

Barth H, Schnober EK, Neumann-Haefelin C et al. Scavenger receptor class B is required for hepatitis C virus uptake and cross-presentation by human dendritic cells. *J Virol*;82(7):3466-79. 2008-04-01 [PMID: 18216094] (FLOW, Human)

Zhang, X et al. Regulation of alternative splicing of liver scavenger receptor class B gene by estrogen and the involved regulatory splicing factors. *Endocrinology*;148(11):5295-304. 2007-11-01 [PMID: 17673517] (WB, Rat)

Huby, T, Doucet, C, Datchet, C, Ouzilleau, B, Ueda, Y, Afzal, V, Rubin, E, Chapman, MJ, Lesnik, P. Knockdown expression and hepatic deficiency reveal an atheroprotective role for SR-BI in liver and peripheral tissues. *J Clin Invest*;116(10):2767-76. 2006-10-01 [PMID: 16964311]

Akpovi, CD et al. The predominance of one of the SR-BI isoforms is associated with increased esterified cholesterol levels not apoptosis in mink testis. *J Lipid Res*;47(10):2233-47. 2006-10-01 [PMID: 16861621] (WB, IHC-P, Mustelid)

Wadsack, C et al. Scavenger receptor class B, type I on non-malignant and malignant human epithelial cells mediates cholesteryl ester-uptake from high density lipoproteins. *Int J Biochem Cell Biol*;35(4):441-54. 2003-04-01 [PMID: 12565706] (ICC/IF, Human, Chinese Hamster)

More publications at <http://www.novusbio.com/NB400-102>



Procedures

Western Blot protocol specific for SR-BII Antibody (NB400-102)

Procedure Guide for NB 400-102 Polyclonal anti-SR-B11

Western Blot Procedure

1. Run ~50 ug of protein on a 4-20% Tris-glycine mini-gel at 125V for 90 minutes.
2. Equilibrate gel, nitrocellulose membrane, Whatman paper, and blotting pads in transfer buffer for 15 minutes.
3. Transfer protein to the membrane at 25V for 90 minutes.
4. Allow membrane to air-dry.
5. Block membrane with blocking buffer [1XTBS / 5% NFDM / 0.1% Tween-20] for 1 hour at room temperature (~23-27 degrees C).
6. Wash membrane twice, for 5 minutes each, with 1XTBS.
7. Incubate membrane with 1:1,000 dilution of NB400-102 (anti-SR-BII), diluted in blocking buffer, overnight at 4C.
8. Wash membrane once for 15 minutes, then four times for 5 minutes each, with TBST.
9. Incubate membrane with 1:10,000 dilution of goat anti-rabbit IgG-HRP (BioRad), diluted in blocking buffer, for 35 minutes at room temperature.
10. Wash membrane once for 15 minutes, then four times for 5 minutes each, with TBST.
11. Detect cross-reacting proteins using ChemiGlow reagents from Alpha Innotech.

NOTE: Jurkat whole cell extracts (NB800-PC2) and HL-60 whole cell extracts (NB800-PC3) were used as a positive control for this antibody.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB400-102

NB400-102PEP	LIMP2/SR-B2 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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