

Product Datasheet

LIMPII/SR-B2 Antibody NB400-102SS

Unit Size: 0.025 ml

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

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NB400-102SS

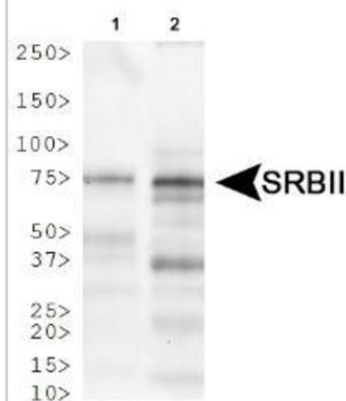
LIMP2/SR-B2 Antibody

| Product Information | |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size | 0.025 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 |
| Purity | 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 |
| Species Reactivity | Mouse, rat, bovine, human, mink and Chinese hamster. |
| 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 |
| Recommended Dilutions | Flow Cytometry, Immunocytochemistry/Immunofluorescence 1:25-1:100, Immunohistochemistry 1:25, Immunohistochemistry-Paraffin 1:25, Western Blot 1:1000 |
| Application Notes | This SR-BII antibody is useful for Immunohistochemistry paraffin embedded sections, Immunocytochemistry/Immunofluorescence and Western blot. In Western blot a band is observed at ~82 kDa in tissues that express SR-BII such as liver, testes, and adrenal glands. Flow Cytometry was reported in scientific literature. |

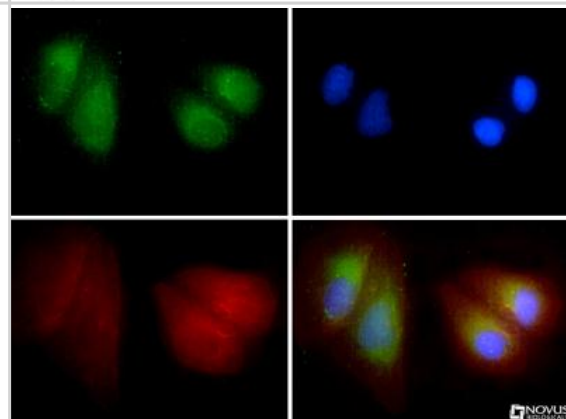


Images

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

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 Nov 11 [PMID: 25389365] (WB, Rat)

Truong TQ, Aubin D, Falstrault L et al. SR-BI, CD36, and caveolin-1 contribute positively to cholesterol efflux in hepatic cells. *Cell Biochem Funct* 2010 Aug [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 Dec [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 Apr. [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 Nov. [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 Oct. [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 Oct. [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 Apr. [PMID: 12565706] (ICC/IF, Human, Chinese Hamster)

Kocher, O et al. Targeted disruption of the PDZK1 gene in mice causes tissue-specific depletion of the high density lipoprotein receptor scavenger receptor class B type I and altered lipoprotein metabolism. *J Biol Chem*;278(52):52820-5. 2003 Dec 26. [PMID: 14551195] (WB, Mouse)



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.





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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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

