

# Product Datasheet

## SCAP Antibody - BSA Free

### NBP2-04113

Unit Size: 100 ul

Store at 4C. Do not freeze.

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[technical@novusbio.com](mailto:technical@novusbio.com)

#### Publications: 4

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**NBP2-04113**

SCAP Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 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)

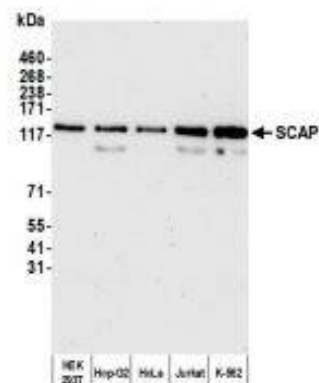
Product Description	
Description	Novus Biologicals Rabbit SCAP Antibody - BSA Free (NBP2-04113) is a polyclonal antibody validated for use in IHC, WB, Simple Western and IP. Anti-SCAP Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	22937
Gene Symbol	SCAP
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 450 and 500 of human Sterol Regulatory Element Binding Protein Ceavage-Activating Protein using the numbering given in entry NP_036367.2 (GeneID 22937).

Product Application Details	
Applications	Western Blot, Simple Western, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Simple Western 1:25, Immunoprecipitation 2-10 ug/mg lysate
Application Notes	See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Caco-2, separated by Size, antibody dilution of 1:25

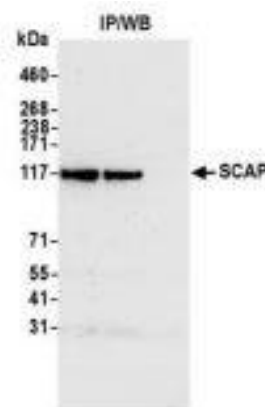


## Images

Western Blot: SCAP Antibody [NBP2-04113] -Whole cell lysate (10 ug) from HEK293T, Hep-G2, HeLa, Jurkat, and K-562 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SCAP antibody used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Immunoprecipitation: SCAP Antibody [NBP2-04113] -Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-SCAP antibody used for IP at 6 µg per reaction. SCAP was also immunoprecipitated by a previous lot of this antibody For blotting immunoprecipitated SCAP, was used at 0.1 µg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds



## Publications

Li D, Liu M, Li Z et al. Sterol-resistant SCAP Overexpression in Vascular Smooth Muscle Cells Accelerates Atherosclerosis by Increasing Local Vascular Inflammation through Activation of the NLRP3 Inflammasome in Mice Aging and disease 2021-06-01 [PMID: 34094640] (Immunohistochemistry, Human, Mouse)

Mi-Hua Liu, Xiao-Long Lin, Le-Le Xiao Excess phosphate promotes SARS-CoV-2 N protein-induced NLRP3 inflammasome activation via the SCAP-SREBP2 signaling pathway. Molecular medicine reports 2024-01-29 [PMID: 38275129]

Muku, G E, Kusnadi, A Et al. Selective Ah receptor modulators attenuate NPC1L1-mediated cholesterol uptake through repression of SREBP-2 transcriptional activity. Lab Invest 2020-02-01 [PMID: 31417158] (WB, Human)

Muku, G E, Blazanin, N Et al. Selective Ah receptor ligands mediate enhanced SREBP1 proteolysis to restrict lipogenesis in sebocytes. Toxicol Sci 2019-06-21 [PMID: 31225620] (IF/IHC, Mouse, Human)



### **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 NBP2-04113**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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### **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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