Product Datasheet

SREBP1 Antibody (2A4) - BSA Free NB600-582

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB600-582

SREBP1 Antibody (2A4) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2A4
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	6720
Gene Symbol	SREBF1
Species	Human, Mouse, Rat, Canine, Chicken, Hamster, Monkey, Golden Syrian Hamster
Reactivity Notes	Canine reactivity reported in scientific literature (PMID: 23720350). Hamster reactivity reported in scientific literature (PMID: 24393244). Chicken reactivity reported in multiple pieces scientific literature. Monkey reactivity reported in scientific literature (PMID: 26437365).
Immunogen	6 His-tag fusion protein of human SREBP1 corresponding to amino acids 301-407. [UniProt# P36956]
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Frozen, Knockout Validated
Recommended Dilutions	Western Blot 1-2ug/ml, Simple Western 1:12.5, Immunohistochemistry-Frozen, Knockout Validated
Application Notes	 This SREBP1 (clone 2A4) antibody is useful for WB where a band can be seen at 125 kDa (precursor) and additional bands may be seen at 60-70 kDa (cleaved). In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in HeLa lysate 1.0 mg/mL, separated by Size, antibody dilution of 1:12.5, apparent MW was 156 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue. The use of the second secon















Publications

L Opazo-Ríos, M Soto-Catal, I Lázaro, A Sala-Vila, L Jiménez-Ca, M Orejudo, JA Moreno, J Egido, S Mas-Fontao Meta-Inflammation and De Novo Lipogenesis Markers Are Involved in Metabolic Associated Fatty Liver Disease Progression in BTBR ob/ob Mice International Journal of Molecular Sciences, 2022-04-02;23(7):. 2022-04-02 [PMID: 35409324]

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NL Cianciola, S Chung, D Manor, CR Carlin Adenovirus modulates Toll-like receptor 4 signaling by reprogramming ORP1L-VAP protein contacts for cholesterol transport from endosomes to the endoplasmic reticulum J. Virol, 2017-02 -28;0(0):. 2017-02-28 [PMID: 28077646]

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Matthew Grove, Hyukmin Kim, Shuhuan Pang, Jose Paz Amaya, Guoqing Hu, Jiliang Zhou, Michel Lemay, Young-Jin Son, Klaus-Armin Nave, Timothy E Behrens TEAD1 is crucial for developmental myelination, Remak bundles, and functional regeneration of peripheral nerves eLife 2024-03-08 [PMID: 38456457]

Srinivasan MP, Bhopale KK, Amer SM et al. Linking Dysregulated AMPK Signaling and ER Stress in Ethanol-Induced Liver Injury in Hepatic Alcohol Dehydrogenase Deficient Deer Mice Biomolecules 2019-10-02 [PMID: 31581705]

Yang M, Mariano J, Su R et al. SARS-CoV-2 papain-like protease (PLpro) plays multiple roles in regulating cellular proteins in the endoplasmic reticulum The Journal of biological chemistry 2023-10-12 [PMID: 37838170] (WB, Human)

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Procedures

Western Blot Protocol Specific for NB600-582: SREBP1 Antibody (2A4)

Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 20 ug of total protein per lane.

2. Transfer proteins to membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.

3. Stain according to standard Ponceau S procedure (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.

4. Rinse the blot.

5. Block the membrane using standard blocking buffer for at least 1 hour.

6. Wash the membrane in wash buffer three times for 10 minutes each.

7. Dilute primary antibody in blocking buffer and incubate overnight at 4C.

8. Wash the membrane in wash buffer three times for 10 minutes each.

9. Apply the diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.

10. Wash the blot in wash buffer three times for 10 minutes each (this step can be repeated as required to reduce background).

11. Apply the detection reagent of choice in accordance with the manufacturers instructions.

**Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.

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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@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB800-PC9	HeLa Nuclear Cell Lysate

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