

Product Datasheet

SREBP2 Antibody NB100-74543

Unit Size: 100ug

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 23

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NB100-74543**SREBP2 Antibody**

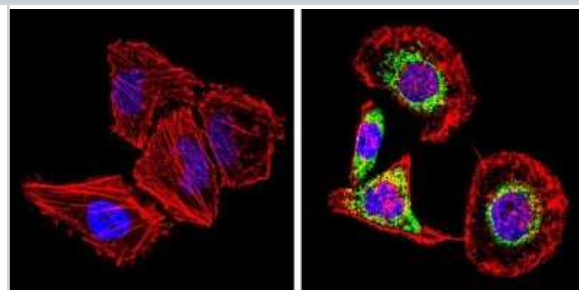
Product Information	
Unit Size	100ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS with 1 mg/ml BSA

Product Description	
Description	Novus Biologicals Rabbit SREBP2 Antibody (NB100-74543) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-SREBP2 Antibody: Cited in 21 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6721
Gene Symbol	SREBF2
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (see J Biol Chem. 2007 Mar).
Specificity/Sensitivity	SREBP2
Immunogen	Synthetic peptide corresponding to residues A(843) I S W L Q G D D A A V R S H(857) of rat SREBP 2.

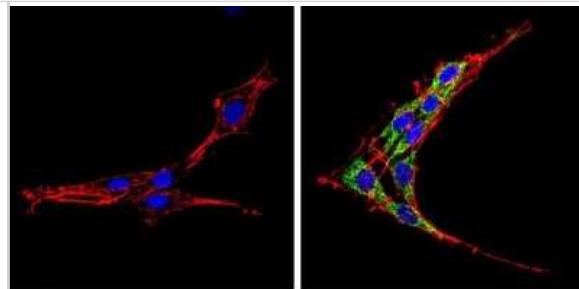
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:100 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:20 - 1:200

Images

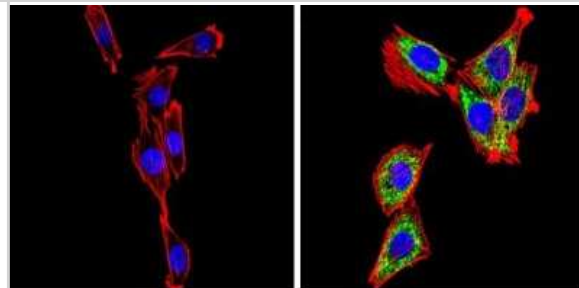
Immunocytochemistry/Immunofluorescence: SREBP2 Antibody [NB100-74543] - Analysis of SREBP2 (green) showing staining in the cytoplasm of HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a SREBP2 polyclonal antibody in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI.



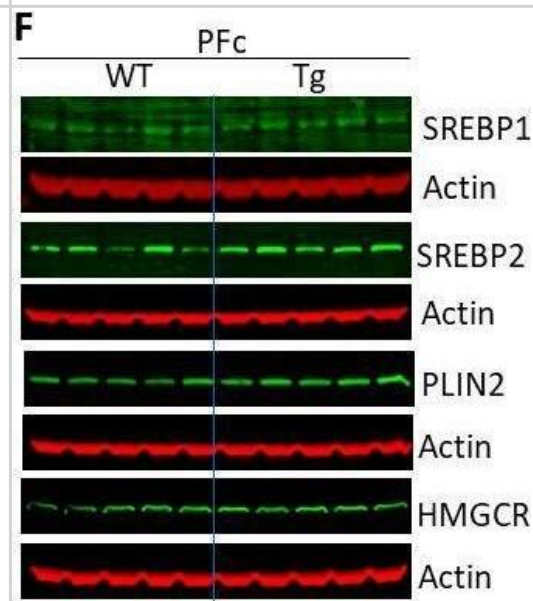
Immunocytochemistry/Immunofluorescence: SREBP2 Antibody [NB100-74543] - Analysis of SREBP2 (green) showing staining in the cytoplasm of PC12 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a SREBP2 polyclonal antibody in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI.



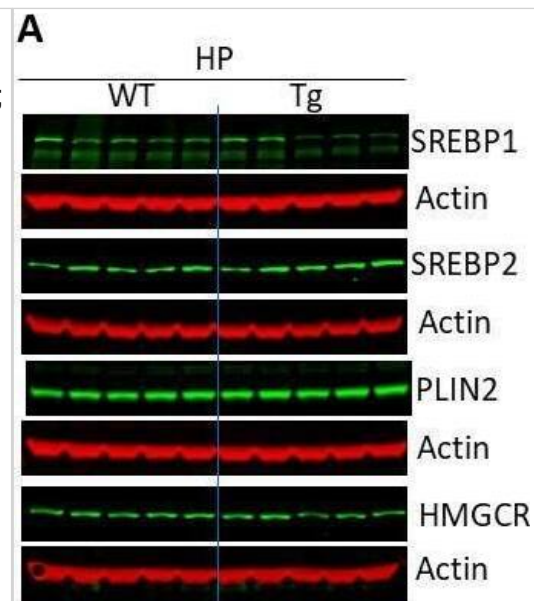
Immunocytochemistry/Immunofluorescence: SREBP2 Antibody [NB100-74543] - Analysis of SREBP2 (green) showing staining in the cytoplasm of L6 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a SREBP2 polyclonal antibody in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI.



The expression of molecules regulating cholesterol synthesis in the brains of WT and HIV-Tg rats. (A) WBs images showing the expression of SREBP1, SREBP2, PLIN2, HMGCR in the HP of WT and HIV-Tg rats; (B) statistical analysis of SREBP1 levels in the HP of WT and HIV-Tg rats; (C) statistical analysis of SREBP2 levels in the HP of WT and HIV-Tg rats (* P < 0.05); (D) statistical analysis of PLIN2 levels in the HP of WT and HIV-Tg rats; (E) statistical analysis of HMGCR levels in the HP of WT and HIV-Tg rats; (F) WBs images showing the expression of SREBP1, SREBP2, PLIN2, HMGCR in the PFc of WT and HIV-Tg rats; (G) statistical analysis of SREBP1 levels in the PFc of WT and HIV-Tg rats; (H) statistical analysis of SREBP2 levels in the PFc of WT and HIV-Tg rats; (I) statistical analysis of PLIN2 levels in the HP of WT and HIV-Tg rats (* P < 0.05); (J) statistical analysis of HMGCR levels in the HP of WT and HIV-Tg rats (* P < 0.05). Each group contains 5 rats, unpaired two tail t-test was used for statistical analysis. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38377024>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



The expression of molecules regulating cholesterol synthesis in the brains of WT and HIV-Tg rats. (A) WBs images showing the expression of SREBP1, SREBP2, PLIN2, HMGCR in the HP of WT and HIV-Tg rats; (B) statistical analysis of SREBP1 levels in the HP of WT and HIV-Tg rats; (C) statistical analysis of SREBP2 levels in the HP of WT and HIV-Tg rats (* P < 0.05); (D) statistical analysis of PLIN2 levels in the HP of WT and HIV-Tg rats; (E) statistical analysis of HMGCR levels in the HP of WT and HIV-Tg rats; (F) WBs images showing the expression of SREBP1, SREBP2, PLIN2, HMGCR in the PFC of WT and HIV-Tg rats; (G) statistical analysis of SREBP1 levels in the PFC of WT and HIV-Tg rats; (H) statistical analysis of SREBP2 levels in the PFC of WT and HIV-Tg rats; (I) statistical analysis of PLIN2 levels in the HP of WT and HIV-Tg rats (* P < 0.05); (J) statistical analysis of HMGCR levels in the HP of WT and HIV-Tg rats (* P < 0.05). Each group contains 5 rats, unpaired two tail t-test was used for statistical analysis. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38377024>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Tyagi A, Wu S, Kim J et al. Ghrelin-induced neuronal NPY promotes brain metastasis in lung cancer patients with low BMI. *Nature Communications* 2025-07-02 [PMID: 40595538]

Han S, Wang Q, Song Y et al. Lithium ameliorates Niemann-Pick C1 disease phenotypes by impeding STING/SREBP2 activation *iScience* 2023-05-19 [PMID: 37128603]

Miao K, Zhao Y, Xue N. et Al. Gkongensin A, an HSP90 α inhibitor, improves hyperlipidemia, hepatic steatosis, and insulin resistance *Heliyon* 2024-04-09 [PMID: 38655315]

Lin HY, Lin CH, Kuo YH, Shih CC. Antidiabetic and Antihyperlipidemic Activities and Molecular Mechanisms of *Phyllanthus emblica* L. Extract in Mice on a High-Fat Diet *Current Issues in Molecular Biology* 2024-09-20 [PMID: 39329975]

Ladraa S, Zerbib L, Bayard C et al. PIK3CA gain-of-function mutation in adipose tissue induces metabolic reprogramming with Warburg-like effect and severe endocrine disruption *Science advances* 2022-12-09 [PMID: 36490341]

Thapa K, Kadiri JJ, Saukkonen K et al. Melanocortin 1 receptor regulates cholesterol and bile acid metabolism in the liver *eLife* 2023-07-25 [PMID: 37490042] (WB, Human)

Palma GBH, Kaur M miRNA-128 and miRNA-223 regulate cholesterol-mediated drug resistance in breast cancer *IUBMB life* 2023-04-18 [PMID: 37070323] (WB, Human)

Plebanek, MP;Xue, Y;Nguyen, YV;DeVito, NC;Wang, X;Holtzhausen, A;Beasley, GM;Yarla, N;Thievanthiran, B;Hanks, BA; A SREBF2-dependent gene program drives an immunotolerant dendritic cell population during cancer progression *bioRxiv : the preprint server for biology* 2023-04-28 [PMID: 37162965] (Western Blot, Mouse)

Burda JE, O'Shea TM, Ao Y et al. Divergent transcriptional regulation of astrocyte reactivity across disorders *Nature* 2022-05-25 [PMID: 35614216] (IHC-Fr, Mouse)

Hori M, Hasegawa y, Hayashi y et al. Acute Cholesterol-Lowering Effect of Exendin-4 in *Ldlr*^{-/-} and C57BL/6J Mice *Journal of atherosclerosis and thrombosis* 2022-03-19 [PMID: 35314564] (WB, Mouse)

Hamada K, Wang P, Xia Y et al. Withaferin A alleviates ethanol-induced liver injury by inhibiting hepatic lipogenesis *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association* 2022-01-04 [PMID: 34995708] (WB, Mouse)

Quiroz-Figueroa K, Vitali C, Conlon DM Et al. TRIB1 regulates LDL metabolism through CEBP alpha-mediated effects on the LDL receptor in hepatocytes *The Journal of clinical investigation* 2021-11-15 [PMID: 34779419] (WB, Mouse)

More publications at <http://www.novusbio.com/NB100-74543>



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Products Related to NB100-74543

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

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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