

Product Datasheet

BDNF Antibody - BSA Free NBP1-59304

Unit Size: 100 ul

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

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NBP1-59304

BDNF Antibody - BSA Free

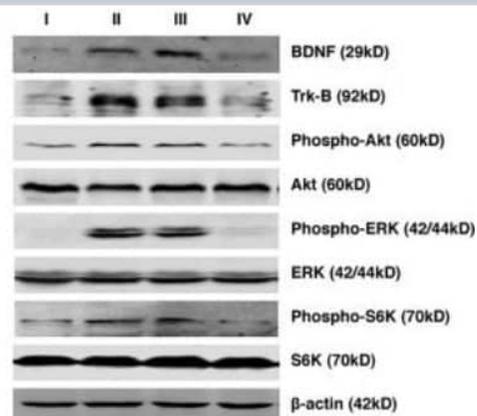
Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose

Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	627
Gene Symbol	BDNF
Species	Human, Mouse, Monkey, Rhesus Macaque
Immunogen	Synthetic peptides corresponding to BDNF(brain-derived neurotrophic factor) The peptide sequence was selected from the middle region of BDNF. Peptide sequence EWVTAADKKTAVDMSGGTVTVLEKVPVSKGQLKQYFYETKCNPMGYTKEG. The peptide sequence for this immunogen was taken from within the described region.

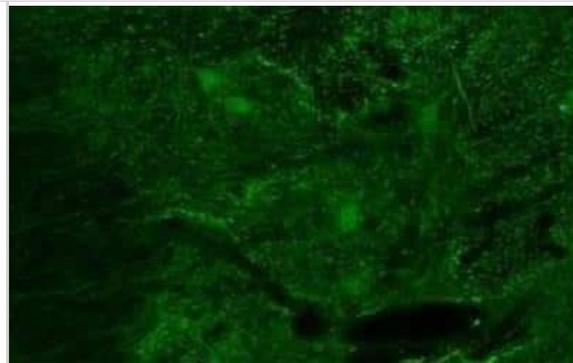
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry 1:200- 1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID:31849603).

Images

Western Blot: BDNF Antibody [NBP1-59304] - ANT-DBS inhibited BDNF-TrkB pathway and its downstream regulator in the hippocampus of epileptic monkeys. Analysis of BDNF (1:1000, NBP1-59304), TrkB (1:500, NPB1-47898), p-ERK, ERK, p-Akt, Akt, p-S6K and S6K by western blotting. Image collected and cropped by CiteAb from the following publication (www.aging-us.com/lookup/doi/10.18632/aging.103026) licensed under a CC-BY license.



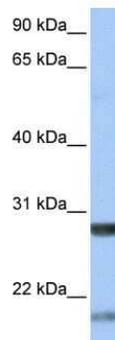
Immunohistochemistry: BDNF Antibody [NBP1-59304] - Ventral horn region of mouse spinal cord. Concentration 1:200



Western Blot: BDNF Antibody [NBP1-59304] - ACHN Whole Cell lysates.



Western Blot: BDNF Antibody [NBP1-59304] - Human Liver cell lysate, concentration 0.2-1 ug/ml.

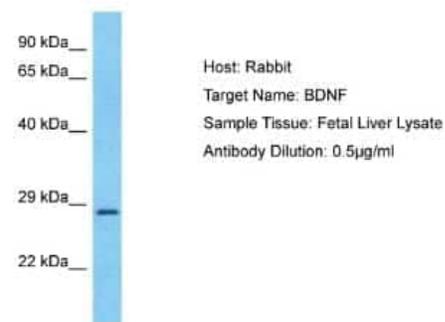


Western Blot: BDNF Antibody [NBP1-59304] - ACHN Whole Cell lysates, Antibody Dilution: 1 ug/ml.

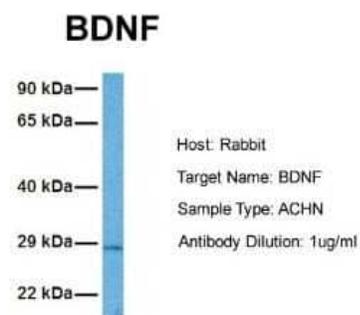


Host: Rabbit
Target Name: BDNF
Sample Tissue: ACHN Cell Lysate
Antibody Dilution: 1 0µg/ml

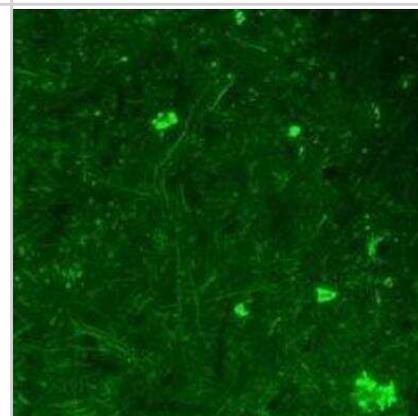
Western Blot: BDNF Antibody [NBP1-59304] - Fetal Liver lysates, Antibody Dilution: 0.5 ug/ml.



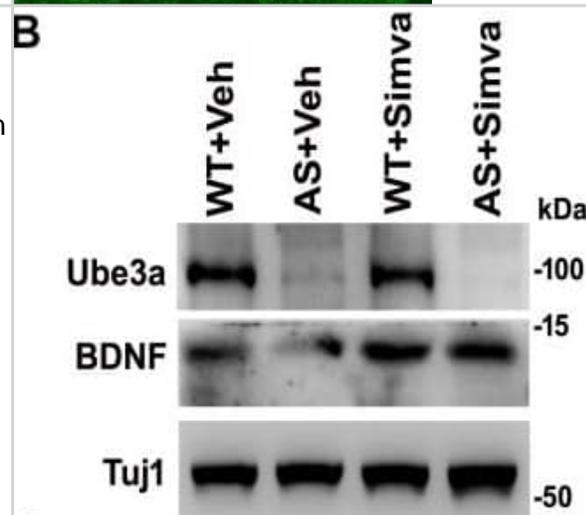
Western Blot: BDNF Antibody [NBP1-59304] - Sample Tissue: Human ACHN Antibody Dilution: 1.0 ug/ml



Immunohistochemistry: BDNF Antibody [NBP1-59304] - Rhesus macaque spinal cord. Concentration 1:300.



Western Blot: BDNF Antibody [NBP1-59304] - Simvastatin treatment increases BDNF expression in primary cortical neurons of AS mice. (A) Primary cultured cortical neurons prepared from wild type & AS embryos were treated with 5 µM simvastatin at DIV14 for 12 h. Neurons were then fixed & processed for double immunofluorescence staining using Ube3a & BDNF antibodies. Representative images were shown. About 12 immunostained neurons in each group were checked for BDNF expression, fluorescence intensity in each cell was quantified & compared. Scale bar, 50 µm. (B) Immunoblot analysis of matured BDNF levels in simvastatin treated primary cortical neurons as described above. (C) Band intensity of the mature BDNF was quantified & normalized to Tuj1 (BDNF/Tuj1). Values are mean ± SD; n = 3. The 'a' point P < 0.05 compared to vehicle treated wild type group & "b" denote P < 0.05 with respect to vehicle treated AS group (one way ANOVA with Holm-Sidak post hoc test). Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31849603>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Ediga PK, Phadtare CV A Study on Regulation of HDAC1 2 Activity by Ube3a Implication in Angelman Syndrome Conference 2023-01-01

Du T T, Zhu G et al. Anterior thalamic nucleus stimulation protects hippocampal neurons by activating autophagy in epileptic monkeys. Aging (Albany NY) 2020-08-04 [PMID: 32267832] (WB, Rhesus Macaque)

Kumar V, Joshi T, Vatsa N, et al. Simvastatin Restores HDAC1/2 Activity and Improves Behavioral Deficits in Angelman Syndrome Model Mouse Front Mol Neurosci 2019-11-26 [PMID: 31849603] (ICC/IF, Mouse)





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 NBP1-59304

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-52006-0.1mg	Recombinant Human BDNF His Protein

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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