

# Product Datasheet

## BDNF Antibody (35928.11) - Azide and BSA Free NB120-10505

Unit Size: 0.1 mg

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

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**NB120-10505**

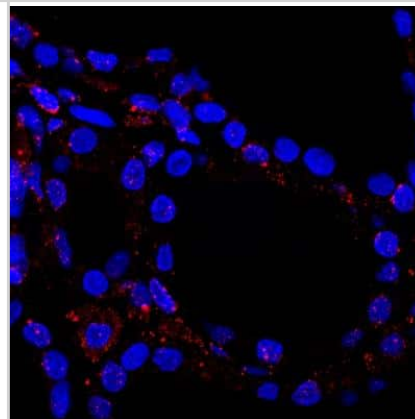
BDNF Antibody (35928.11) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	35928.11
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS, 5% trehalose
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	627
<b>Gene Symbol</b>	BDNF
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	<p>Monoclonal Anti-Human BDNF will neutralize the biological activity of rhBDNF. This antibody shows &lt; 2% cross-reactivity with rhbeta-NGF, rhNT-3 and rhNT-4 based on ELISA and immunoblotting.</p> <p>The antibody shows ~5% cross-reactivity with recombinant human beta-NGF and recombinant rat beta-NGF</p>
<b>Immunogen</b>	Recombinant human BDNF (rhBDNF) expressed in Sf 21 insect cells.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1 - 2 ug/mL, Simple Western, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 8 - 25 ug/mL
<b>Application Notes</b>	<p>WB: This antibody detects BDNF at 300 ng/lane under non-reducing and reducing conditions. Immunohistochemistry (formalin-fixed, paraffin-embedded sections): 8-25 ug/mL using human spinal cord. This BDNF Antibody (35928.11) is validated for ICC/IF from a verified customer review.</p> <p>See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: separated by size</p>



## Images

Immunocytochemistry/Immunofluorescence: BDNF Antibody (35928.11) [NB120-10505] - Human thyroid tissue was incubated with anti-BDNF antibody at a dilution of 1:100 overnight at 4C and detected with Alexa Fluor 594 Donkey anti-mouse 1:500. Nuclei stained with DAPI. ICC/IF image submitted by a verified customer review.



## Publications

Du Y, Gao F, Sun H et al. Novel substituted 4-(Arylethynyl)-Pyrrolo[2,3-d]pyrimidines negative allosteric modulators (NAMs) of the metabotropic glutamate receptor subtype 5 (mGlu5) Treat depressive disorder in mice *European journal of medicinal chemistry* 2023-12-05 [PMID: 37847955]

Bales KL, Chacko AS, Nickerson JM et al. Treadmill exercise promotes retinal astrocyte plasticity and protects against retinal degeneration in a mouse model of light-induced retinal degeneration *Journal of Neuroscience Research* 2022-09-01 [PMID: 35582827]

Ji M, Zhang Z, Gao F et al. Curculigoside rescues hippocampal synaptic deficits elicited by PTSD through activating cAMP-PKA signaling *Phytotherapy research : PTR* 2022-10-06 [PMID: 36200803]

Elwakil BH, Bakr BA, Aljeldah MM et al. Memory Impairment, Pro-Inflammatory Host Response and Brain Histopathologic Severity in Rats Infected with *K. pneumoniae* or *P. aeruginosa* *Meningitis Pathogens (Basel, Switzerland)* 2022-08-18 [PMID: 36015052] (WB, Rat)

Details:  
WB 1:500

Wang W, Gu MF, Wang ZF Et al. Let-7a-5p regulated by lncRNA-MEG3 promotes functional differentiation to Schwann cells from adipose derived stem cells via directly inhibiting RBPJ-mediated Notch pathway *Apoptosis : an international journal on programmed cell death* 2021-08-18 [PMID: 34409556]

Cho K, Kim Gw Selective striatal cell loss is ameliorated by regulated autophagy of the cortex *Life sciences* 2021-07-14 [PMID: 34271058] (WB)



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### **Products Related to NB120-10505**

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NBL1-07961	BDNF Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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