

## Datasheet for ABIN392515 **anti-BDNF antibody (C-Term)**



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4 Images

1 Publication

### Overview

Quantity:	400 µL
Target:	BDNF
Binding Specificity:	AA 206-236, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BDNF antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	This BDNF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 206-236 amino acids from the C-terminal region of human BDNF.
Clone:	RB14839
Isotype:	Ig Fraction
Predicted Reactivity:	B, Hs, M, Pig, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

### Target Details

Target:	BDNF
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## Target Details

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Alternative Name:	<a href="#">BDNF (BDNF Products)</a>
Background:	BDNF is a member of the nerve growth factor family. It is induced by cortical neurons, and is necessary for survival of striatal neurons in the brain. Expression of this protein is reduced in both Alzheimer's and Huntington disease patients. This protein may play a role in the regulation of stress response and in the biology of mood disorders.
Molecular Weight:	27818
Gene ID:	627
NCBI Accession:	<a href="#">NP_001137277</a> , <a href="#">NP_001137278</a> , <a href="#">NP_001137279</a> , <a href="#">NP_001137280</a> , <a href="#">NP_001137281</a> , <a href="#">NP_001137282</a> , <a href="#">NP_001137283</a> , <a href="#">NP_001137284</a> , <a href="#">NP_001137285</a> , <a href="#">NP_001137286</a> , <a href="#">NP_001137288</a> , <a href="#">NP_001700</a> , <a href="#">NP_733927</a> , <a href="#">NP_733928</a>
UniProt:	<a href="#">P23560</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Synaptic Membrane</a> , <a href="#">Feeding Behaviour</a> , <a href="#">Dicarboxylic Acid Transport</a> , <a href="#">Regulation of long-term Neuronal Synaptic Plasticity</a>

## Application Details

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Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

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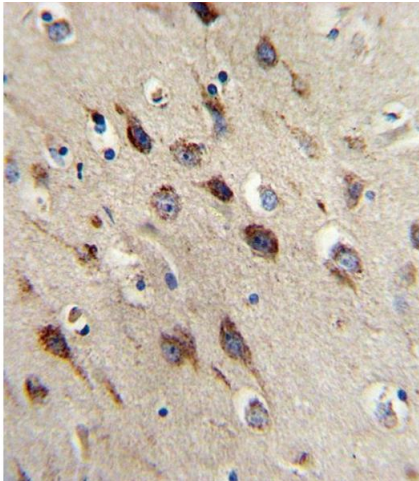
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Product cited in:

Colitti: "Distribution of BDNF and TrkB isoforms in growing antler tissues of red deer." in:

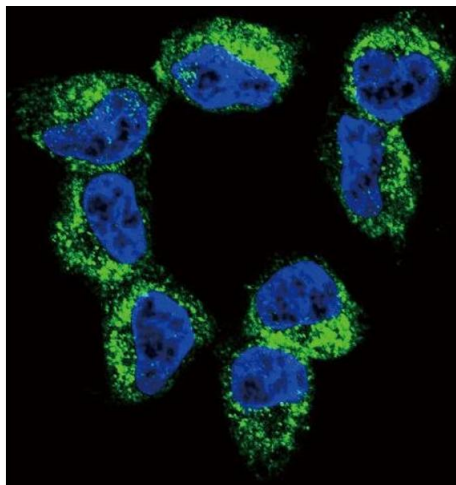
**Annals of anatomy = Anatomischer Anzeiger : official organ of the Anatomische Gesellschaft**, Vol. 213, pp. 33-46, (2018) ([PubMed](#)).

Images



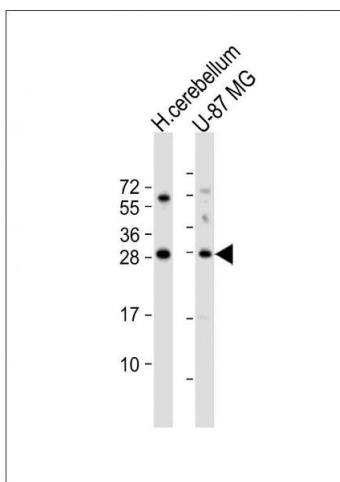
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human brain reacted with BDNF Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



**Immunofluorescence**

**Image 2.** Confocal immunofluorescent analysis of BDNF Antibody (C-term) (ABIN392515 and ABIN2842076) with NCI- cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



**Western Blotting**

**Image 3.** All lanes : Anti-BDNF Antibody (C-term) at 1:1000 dilution Lane 1: human cerebellum lysate Lane 2: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.

## Images

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Please check the [product details page](#) for more images. Overall 4 images are available for ABIN392515.