

Datasheet for ABIN1387788
anti-BDNF antibody (AA 151-247)

4 Images

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Overview

Quantity:	100 µL
Target:	BDNF
Binding Specificity:	AA 151-247
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BDNF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human BDNF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	BDNF
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Target Details

Alternative Name:	BDNF (BDNF Products)
Background:	<p>Synonyms: ANON2, BULN2, Brain-derived neurotrophic factor, BDNF, Abrineurin</p> <p>Background: During development, promotes the survival and differentiation of selected neuronal populations of the peripheral and central nervous systems. Participates in axonal growth, pathfinding and in the modulation of dendritic growth and morphology. Major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS. The versatility of BDNF is emphasized by its contribution to a range of adaptive neuronal responses including long-term potentiation (LTP), long-term depression (LTD), certain forms of short-term synaptic plasticity, as well as homeostatic regulation of intrinsic neuronal excitability.</p>
Gene ID:	627
UniProt:	P23560
Pathways:	RTK Signaling , Synaptic Membrane , Feeding Behaviour , Dicarboxylic Acid Transport , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

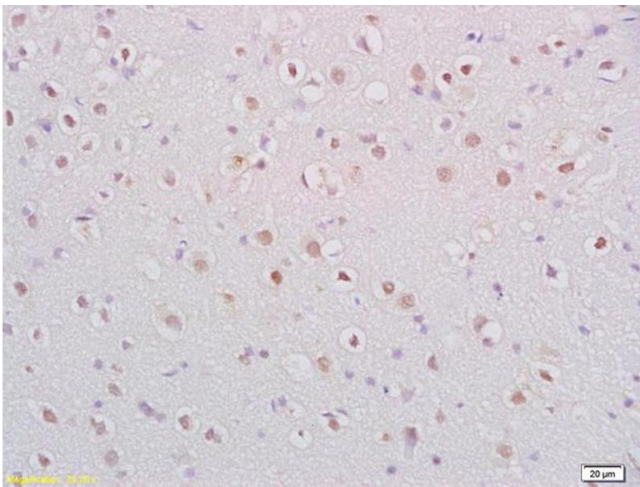
Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

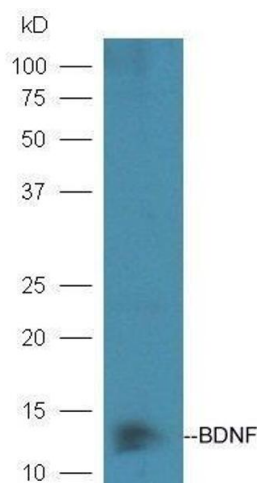
Product cited in:	<p>Nader, Ateyya, El-Shafey, El-Sherbeeney et al.: "Sitagliptin enhances the neuroprotective effect of pregabalin against pentylenetetrazole-induced acute epileptogenesis in mice: Implication of oxidative, inflammatory, apoptotic and autophagy ..." in: Neurochemistry international, (2017) (PubMed).</p> <p>Xing, Wen, Li, Xia: "Non-viral liposome-mediated transfer of brain-derived neurotrophic factor across the blood-brain barrier." in: Neural regeneration research, Vol. 11, Issue 4, pp. 617-22, (2016) (PubMed).</p> <p>Zabłocka, Mitkiewicz, Macała, Janusz: "Neurotrophic Activity of Cultured Cell Line U87 is Up-Regulated by Proline-Rich Polypeptide Complex and Its Constituent Nonapeptide." in: Cellular and molecular neurobiology, Vol. 35, Issue 7, pp. 977-86, (2016) (PubMed).</p> <p>There are more publications referencing this product on: Product page</p>
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Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Anti-BDNF Polyclonal Antibody, Unconjugated (ABIN1387788) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Western Blotting

Image 2. Mouse heart lysates probed with at 1:5000 90min in 37°C.

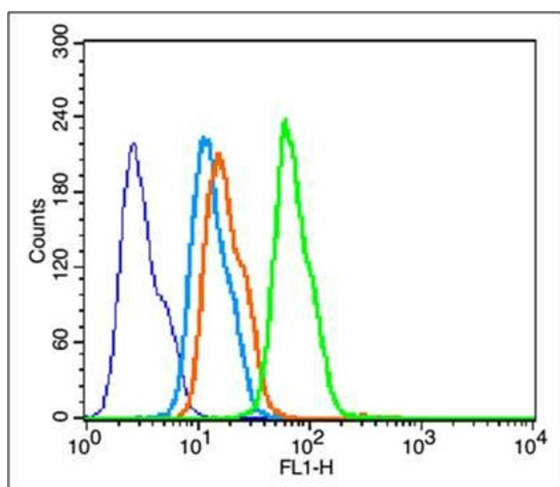


Image 3. HepG2 cells were fixed with 4% PFA for 10min at room temperature, and incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with BDNF Polyclonal Antibody at 1:50 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2%BSA in PBS, followed by secondary antibody incubation for 40 min at room temperature. Acquisitions of 20, 000 events were performed. Cells stained with primary antibody (green), no antibody control (blue), secondary antibody only (light blue) and isotype control (orange).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1387788.