



Product name:	BDNF Rabbit Polyclonal Antibody
Cat number:	ABN07524
Conjugate:	Unconjugated
Size:	100 ug
Concentration:	1 mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide of human BDNF
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:1000-1:10000,IHC 1:200-1:500,ICC/IF 1:200-1:500,IF-P 1:200-1:500
Molecular Weight:	14kDa Mature Bdnf - 28-32 kDa Precursor BDNF
Purification:	Affinity purification
Form:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage:	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Synonyms:	BDNF;MGC34632;Abrineurin; ANON2; Brain Derived Neurotrophic Factor; Neurotrophin;BULN2;
Source:	Rabbit
Background:	Neurotrophins function to regulate naturally occurring cell death of neurons during development. The prototype neurotrophin is nerve growth factor (NGF), originally discovered in the 1950s as a soluble peptide promoting the survival of, and neurite outgrowth from, sympathetic ganglia. Three additional structurally homologous neurotrophic factors have been identified. These include brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3) and neurotrophin-4 (NT-4) (also designated NT-5). Important signaling molecule that activates signaling cascades downstream of NTRK2 (PubMed:11152678). 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.

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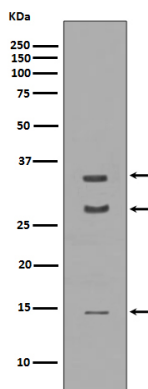


Product Data Sheet
BDNF Rabbit Polyclonal Antibody

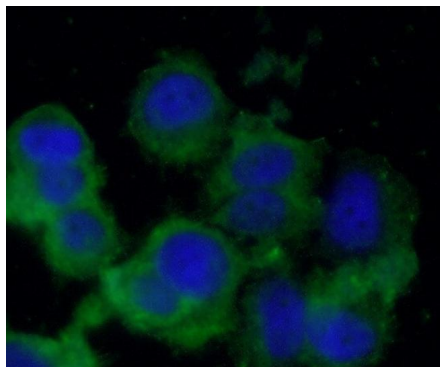
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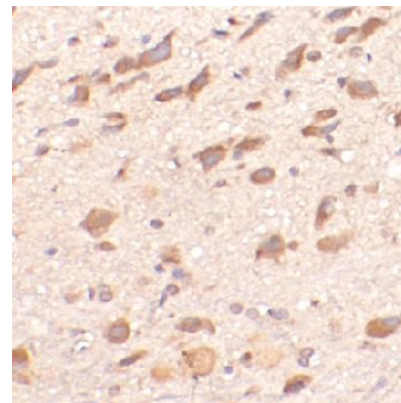
Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



Western blot analysis of extracts of Human cerebellum lysate, using BDNF antibody - at 14 kDa mature BDNF - at 28-32 kDa Precursor BDNF



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using BDNF Antibody at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry of paraffin-embedded rat brain tissue slide using BDNF Antibody at dilution of 1:200

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