

Polyclonal Antibody to Brain Derived Neurotrophic Factor (BDNF)

Brain Derived Neurotrophic Factor
Catalog # AP74521

Product Information

Application	WB
Primary Accession	O70183
Reactivity	Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28308

Additional Information

Gene ID	100730257
Other Names	Neurotrophin; Abrineurin
Target/Specificity	Cavia (Guinea pig)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL Immunohistochemistry: 5-20 μ g/mL Immunocytochemistry: 5-20 μ g/mL Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	BDNF
Function	Important signaling molecule that activates signaling cascades downstream of NTRK2 (By similarity). 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 (By similarity).
Cellular Location	Secreted {ECO:0000250 UniProtKB:P23560}.

Images

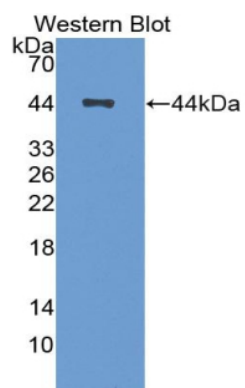


Figure. Western Blot; Sample: Recombinant BDNF, Cavia.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.