

Polyclonal Antibody to Brain Derived Neurotrophic Factor (BDNF)

Brain Derived Neurotrophic Factor
Catalog # AP74518

Product Information

Application	WB
Primary Accession	Q7YRB4
Reactivity	Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27780

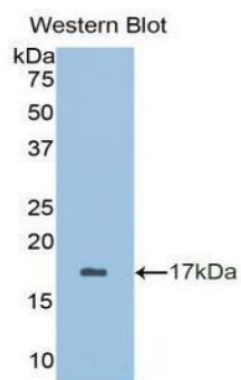
Additional Information

Gene ID	403461
Other Names	Neurotrophin; Abrineurin
Target/Specificity	Canis familiaris; Canine (Dog)
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	PBS, pH7.4, containing 0.02% NaN ₃ , 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



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