

<b>Cat. No:</b>	AB-82598
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	E.coli-derived human BDNF recombinant protein (Position: H129-R247). Human BDNF shares 100% amino acid (aa) sequence identity with both mouse and rat BDNF.
<b>Reactivity:</b>	Hu,Ms,Rt
<b>Applications:</b>	• Western Blot : 1:500 – 1:1000 • IHC(paraffin embedded): 1:500 – 1:1000 • IF (Immunofluorescence):1:50
<b>Molecular Weight:</b>	37 kDa , 25 kDa
<b>Purification:</b>	Aff. Pur.
<b>Background:</b>	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.
<b>Form:</b>	Liquid
<b>Buffer:</b>	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Na <sub>3</sub> N.
<b>Storage:</b>	4° C for 2 months for longer terms at -20°C. Avoid Freeze and thaw cycles.

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