

Anti-BDNF Antibody (5C635)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	5C635
Purification:	Affinity-chromatography

Applications

	Western Blot
	-Positive WB detected in: U87 whole cell lysate, U251 whole cell lysate, Mouse Brain tissue lysate
Verified Activity:	-All lanes: BDNF antibody at 1:1000 -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 28 kDa -Observed band size: 28 kDa
Application:	ELISA,WB
Recommended	WB:1:500-1:2000.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human BDNF
Antigen Species:	Human
Gene ID:	627
Uniprot ID:	P23560
Synonyms:	Abrineurin;BDNF;Brain-Derived Neurotrophic Factor
Biology Area:	Neuroscience, Cardiovascular, Metabolism

Research Background

Important signaling molecule that activates signaling cascades downstream of NTRK2. 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. Important signaling molecule that activates signaling cascades downstream of NTRK2. Activates signaling cascades via the heterodimeric receptor formed by NGFR and

A DRUG SCREENING EXPERT

SORCS2. Signaling via NGFR and SORCS2 plays a role in synaptic plasticity and long-term depression (LTD). Binding to NGFR and SORCS2 promotes neuronal apoptosis. Promotes neuronal growth cone collapse.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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