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Antibody to Human Brain-Derived Neurotrophic Factor
MOUSE MONOCLONAL

Catalog Number: AB-406
Quantity: 500 micrograms, 1 milligram
Format: Lyophilized
Host: Mouse
Isotype: IgG
Clone: NYRhBDNF
Immunogen: r.Human BDNF

Background:

BDNF promotes the survival of neuronal populations that are all located either in the central nervous system or directly connected to it. 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.

Specificity and Preparation:

Mouse Anti-Human Brain-Derived Neurotrophic Factor (BDNF) is purified by ion exchange column. Protein concentration is 1 mg/ml in PBS (after reconstitution).

Usage and Storage:

Applications include Direct ELISA, Western Blot, immunoprecipitation, immunohistochemistry. Titer: By direct ELISA, 1:10,000 dilution will yield 0.4 O.D using alkaline phosphatase conjugated rabbit anti-mouse Ig (Jackson Laboratories).

Reconstitute with sterile H₂O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use. In lyophilized form, for long periods, store at 4°C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Antibody is stable for two years lyophilized, one month in solution at 4°C. Antibody is shipped lyophilized at ambient temperature. This material is provided for LABORATORY RESEARCH USE ONLY.