



Product Information Sheet

Polyclonal Anti-Brain derived growth factor, *BDNF* (*Magnetic Bead Conjugate*)

Catalogue No. PA1014-M

Lot No. 0101012181472

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, rat (tested).

No cross reactivity with other proteins.

Recommended application
immunoprecipitation.(IP)

Immunogen

A peptide mapping at the N-terminal of human BDNF, identical to the related rat and mouse sequence.

Purity

Immunogen affinity purified.

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4°C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation.

BACKGROUND

Brain derived neurotrophic factor (BDNF) is a member of the neurotrophin family of growth factors that includes NGF, NT3, and NT4. BDNF is a prosurvival factor induced by cortical neurons that is necessary for survival of striatal neurons in the brain. BDNF is expressed within peripheral ganglia and is not restricted to neuronal target fields. BDNF has been purified and shown to reduce the amount of naturally occurring neuronal cell death in portions of the peripheral nervous system..

REFERENCE

1. Jones, K. R.; Reichardt, L. F. : Molecular cloning of a human gene that is a member of the nerve growth factor family. *Proc. Nat. Acad. Sci.* 87: 8060-8064, 1990.
2. Lee, R.; Kermani, P.; Teng, K. K.; Hempstead, B. L. : Regulation of cell survival by secreted proneurotrophins. *Science* 294: 1945-1948, 2001 .
3. Pruunsild, P.; Kazantseva, A.; Aid, T.; Palm, K.; Timmusk, T. : Dissecting the human BDNF locus: bidirectional transcription, complex splicing, and multiple promoters. *Genomics* 90: 397-406, 2007.