



Nerve Growth Factor, beta (NGF, Beta Nerve Growth Factor, Beta Nerve Growth Factor Precursor, Beta NGF, HSAN5, Nerve Growth Factor beta, Nerve Growth Factor beta Polypeptide, Nerve Growth Factor beta Subunit, NGFB)

Catalog number

N2050-06J

Supplier

United States Biological

Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. It stimulates division and differentiation of sympathetic and embryonic sensory neurons. SUBUNIT: Homodimer, associated by noncovalent forces.

Cellular Localization

Secreted protein. Belongs to the NGF-beta family.

Applications

Suitable for use in ELISA, Western Blot and Immunohistochemistry. Other applications not tested.

Recommended Dilution

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot Store at -20°C. Aliquots are stable for at least 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

Native mouse beta NGF purified from submaxillary salivary gland (95% purity by PAGE).

Formulation

Supplied as a lyophilized powder. Reconstitute in 50ul of sterile water.

Purity

Purified by immunoaffinity chromatography.

Specificity

A crossreactivity of less than 1% to recombinant human BDNF, NT3, NT4/5 by ELISA has been shown. Species Crossreactivity: This antiserum is known to crossreact with mouse, rat, human and avian NGF but not bovine NGF.

Product Type



Pab

Source

mouse

Isotype

IgG

Grade

Affinity Purified

Applications

E IHC WB

Crossreactivity

Av Hu Mo Rt

Storage

-20°C

Reference

1. Ebendal, T. et al (1989) J Neurosci Res 22, 223-240. ; 2. Zhou, X. F. et al (1994) J Neurosci Methods 54, 95-102. ; 3. Angeletti, P. U. et al (1968) Adv Enzymol Relat Areas Mol Biol 31, 51-75.