



Polyclonal Anti-Nerve growth factor beta, **NGF beta** (Sephacrose Bead Conjugate)

Catalogue No. PA1056-S

Lot No. 09G01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, mouse, rat.
No cross reactivity
with other proteins.

Recommended application

(Immunoprecipitation(IP))

Immunogen

A peptide mapping at the N-terminal of human NGF beta, different to the related rat sequence by single amino acid.

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephacrose beads. It is useful for immunoprecipitation assays

BACKGROUND

Nerve growth factor is a polypeptide involved in the regulation of growth and differentiation of sympathetic and certain sensory neurons. the nucleotide sequence of human and mouse beta-NGF are very similar. the beta-subunits of nerve growth factor (NGFB) have been assigned to mouse chromosome 3 and human chromosome 1p22. The human gene for the beta subunit of nerve growth factor is located on the proximal short arm of chromosome 1. A mutation in the nerve growth factor beta gene (NGFB) causes loss of pain perception.

REFERENCE

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2. Francke, U.; de Martinville, B.; Coussens, L.; Ullrich, A. : The human gene for the beta subunit of nerve growth factor is located on the proximal short arm of chromosome 1. *Science* 222: 1248-1251, 1983
3. Einarsdottir, E.; Carlsson, A.; Minde, J.; Toolanen, G.; Svensson, O.; Solders, G.; Holmgren, G.; Holmberg, D.; Holmberg, M. : A mutation in the nerve growth factor beta gene (NGFB) causes loss of pain perception. *Hum. Molec. Genet.* 13: 799-805, 2004.

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