Rabbit Anti-NGF

Catalog Number : SP-53421 Quantity size : 0.1ml (dilute with pH 7.4 0.01 M PBS or antibody diluent)

Background: Neurotrophins function to regulate naturally occurring cell death of neurons during development. The prototype neurotrophin is nerve growth factor (NGF), originally discovered in the 1950s as a soluble peptide promoting the survival of, and neurite outgrowth from, sympathetic ganglia. Three additional structurally homologous neurotrophic factors have been identified. These include brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3) and neurotrophin-4 (NT-4) (also designated NT-5). These various neurotrophins stimulate the in vitro survival of distinct, but partially overlapping, populations of neurons. The cell surface receptors through which neurotrophins mediate their activity have been identified. For instance, the Trk A receptor is the preferential receptor for NGF, but also binds NT-3 and NT-4. The Trk B receptor binds both BDNF and NT-4 equally well, and binds NT-3 to a lesser extent, while the Trk C receptor only binds NT-3.

pecificity :

- Anti- NGF is a rabbit polyclonal antibody unconjugated
- specific for NGF of human, mouse, rat
- use for western blotting,elisa,immunoprecipitation and immunohistochemistry
- Protein G affinity chromatography purification, purity :>95%
- Isotype: IgG
- mol wt: 27kDa

Application :

- Western blotting 1:100-500
- Immunohistochemistry 1:100-500
- ELISA 1:500-1000
- Optimal working dilutions must be determined by the end user.

Storage: Store at -20℃ for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20℃. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody, the antibody is stable for at least six weeks at 2-4 ℃

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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