

Basic Information

Product Name	Anti-NGF beta/NGF Antibody
Gene Name	NGF
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human NGF, which shares 91.3% amino acid (aa) sequence identity with both mouse and rat NGF.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	14,27-35 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied.

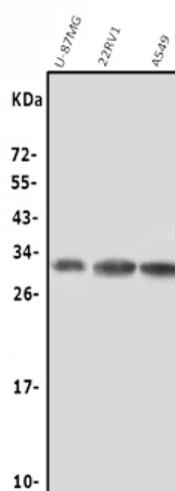
Background Information

Nerve growth factor (NGF) is a neurotrophic factor and neuropeptide primarily involved in the regulation of growth, maintenance, proliferation, and survival of certain target neurons. It is mapped to 1p13.2. This gene is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth stimulating activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and certain sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic rhinitis.

Reference

Anti-NGF beta/NGF Antibody被引用在3文献中。

Selected Validation Data



Western blot analysis of NGF beta/NGF using anti-NGF beta/NGF antibody (A00341-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human U-87MG whole cell lysates,

Lane 2: human 22RV1 whole cell lysates,

Lane 3: human A549 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-NGF beta/NGF antigen affinity purified polyclonal antibody (A00341-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NGF beta/NGF at approximately 14,27-35 kDa. The expected band size for NGF beta/NGF is at 27 kDa.