

Basic Information

Product Name	Anti-NGF beta/NGF Antibody
Gene Name	NGF
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human NGFB recombinant protein(Position: S122-A241).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	14,27-35 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000

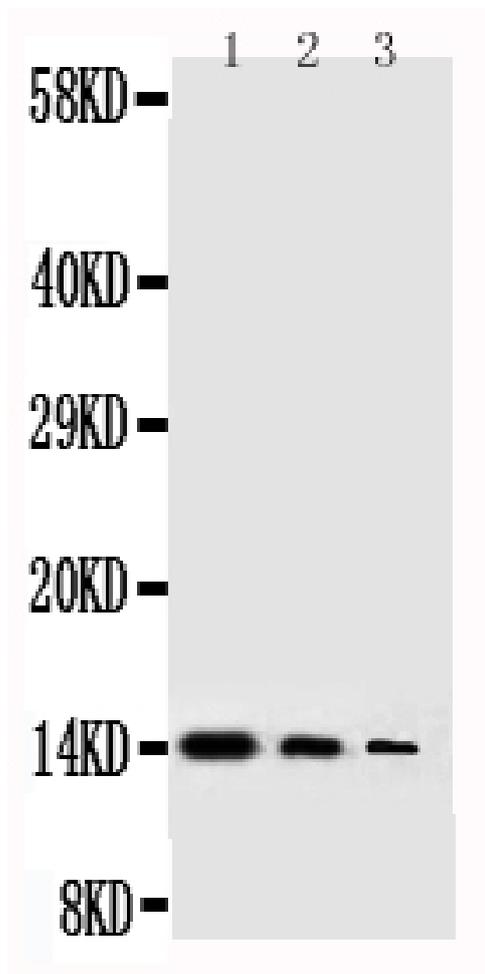
Storage

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

Background Information

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.

Selected Validation Data



Western blot analysis of NGF beta/NGF using anti-NGF beta/NGF antibody (BA10611).

Lane 1: recombinant human NGFB protein 10ng,

Lane 2: recombinant human NGFB protein 5ng,

Lane 3: recombinant human NGFB protein 2.5ng.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-NGF beta/NGF antigen affinity purified polyclonal antibody (BA10611) 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.