

Basic Information

Product Name	Anti-NGF beta/NGF Antibody
Gene Name	NGF
Source	Rabbit
Isotype	IgG
Species Reactivity	human
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS , 0.02% Na ₂ S ₂ O ₃ , 1 mg BSA and 50% glycerol.
Immunogen	E. coli-derived human NGF/NGF Beta recombinant protein (Position: S122-A241). Human NGF/NGF Beta shares 92.4% amino acid (aa) sequence identity with rat NGF/NGF Beta.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	45KD/75KD
Dilution Ratios	Western blot(WB):1:500-2000 (ELISA): 1:100-1000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

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



Figure 1. Western blot analysis of NGF/NGF Beta using anti-NGF/NGF Beta antibody (A00341). Lane 1: Recombinant Human NGF/NGF Beta Protein 0.5ng -NGF/NGF Beta antigen affinity purified polyclonal antibody (Catalog # A00341) at 0.5 μ g/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody . The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) A specific band was detected for NGF/NGF Beta at approximately 13KD. The expected band size for NGF/NGF Beta is at 13KD