BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Beta-nerve growth factor NGF Antibody

Catalog Number: PA1056

About NGF

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.

Overview

Product Name	Anti-Beta-nerve growth factor NGF Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Beta-nerve growth factor NGF Antibody catalog # PA1056. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P01138

Technical Details

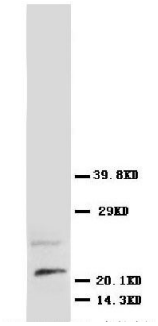
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human NGF, identical to the related rat sequence, and different from the related mouse sequence by one amino acid.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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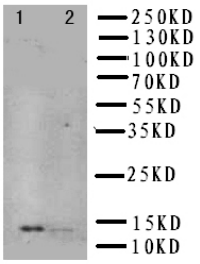
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

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Anti-Beta-nerve growth factor NGF Antibody (PA1056) Images



Anti-NGF antibody, PA1056, Western blotting
WB: Rat Brain Tissue Lysate



Anti-NGF antibody, PA1056, Western blotting
Lane 1: Recombinant Human NGFB Protein 10ng
Lane 2: Recombinant Human NGFB Protein 5ng

12 Publications Citing This Product

1. PubMed ID: 23554704, Effects of minocycline on the expression of NGF and HSP70 and its neuroprotection role following intracerebral hemorrhage in rats

2. PubMed ID: 25737696, Transplantation of human umbilical cord blood mesenchymal stem cells to treat a rat model of traumatic brain injury

3. PubMed ID: 21714933, Associations between proinflammatory cytokines in the synovial fluid and radiographic grading and pain-related scores in 47 consecutive patients with osteoarthritis of the knee

Visit bosterbio.com/anti-ngf-antibody-pa1056-boster.html to see all 12 publications.

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