

Anti-Beta-nerve growth factor NGF Antibody Picoband®

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.

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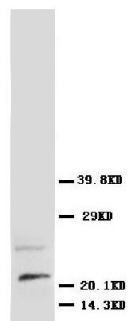
Overview

Product Name	Anti-Beta-nerve growth factor NGF Antibody Picoband®
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. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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

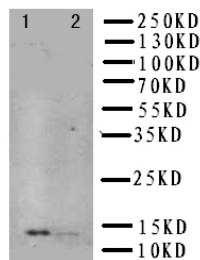
Technical Details

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.
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.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

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



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



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

12 Publications Citing This Product

1. PubMed ID: 20473744, Wang L, Zhao H, Fan Yp, Gong Hy, Li M, Qi F, Liu Y. Chin J Integr Med. 2010 Apr;16(2):167-72. Doi: 10.1007/S11655-010-0167-Z. Epub 2010 May 16. Research On The Mechanism Of Zuogui Pill And Yougui Pill In Promoting Axonal Regeneration In Model Rats...
2. PubMed ID: 25064827, Zhao G, Ding X, Guo Y, Chen W. Life Sci. 2014 Sep 1;112(1-2):10-21. Doi: 10.1016/J.Lfs.2014.07.003. Epub 2014 Jul 23. Intrathecal Lidocaine Neurotoxicity: Combination With Bupivacaine And Ropivacaine And Effect Of Nerve Growth Factor.
3. PubMed ID: 24939299, Lu Ql, Liu J, Zhu Xi, Xu Wj. J Huazhong Univ Sci Technolog Med Sci. 2014 Jun;34(3):359-62. Doi: 10.1007/S11596-014-1283-3. Epub 2014 Jun 18. Expression Of Nerve Growth Factor And Hypoxia Inducible Factor-1?? And Its Correlation With Angiogenesis I...

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