BOSTER BIOLOGICAL TECHNOLOGY
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Anti-BDNF Antibody Picoband®

Catalog Number: PA1014

About BDNF

Brain derived neurotrophic factor (BDNF) is a member of the neurotrophin family of growth factors that includes NGF, NT3, and NT4. BDNF is a prosurvival factor induced by cortical neurons that is necessary for survival of striatal neurons in the brain. BDNF is expressed within peripheral ganglia and is not restricted to neuronal target fields. BDNF has been purified and shown to reduce the amount of naturally occurring neuronal cell death in portions of the peripheral nervous system.

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Overview

Product Name	Anti-BDNF Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-BDNF Antibody catalog # PA1014. 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	P23560

Technical Details

BOSTER
antibody and ELISA experts

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Immunogen	A synthetic peptide corresponding to a sequence at the N-terminal of human BDNF, identical to the related rat and mouse sequences.
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, Mouse, Rat

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Anti-BDNF Antibody Picoband® (PA1014) Images



Anti-BDNF antibody, PA1014, Western blottingAll lanes: Anti BDNF (PA1014) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 28KDObserved bind size: 37KD

17 Publications Citing This Product

1. PubMed ID: 34058286, Xue LL,Du RL,Hu Y,Xiong LL,Su ZY,Ma Z,Tan YX,Liu J,Hu Q,Zhu ZQ,Wang TH,Liu XZ.BDNF promotes neuronal survival after neonatal hypoxic-ischemic encephalopathy by up-regulating Stx1b and suppressing VDAC1.Brain Res Bull.2021 May 28:S0361-9230(21)00144-1.doi:10.1016/j.brainresbull.2021.05.013.Epub ahead of print.PMID:34058286.

2. PubMed ID: -, Feng,S.,Wang,S.,Sun,S.,Su,H.,& Zhang,L.(2021).Effects of combination treatment with transcranial magnetic stimulation and bone marrow mesenchymal stem cell transplantation or Raf inhibition on spinal cord injury in rats.Molecular Medicine Reports,23,294.h

3. PubMed ID: 25317137, Li X, Li M, Li Y, Quan Q, Wang J. Neural Regen Res. 2012 Dec 25;7(36):2860-6. Doi: 10.3969/J.Issn.1673-5374.2012.36.002. Cellular And Molecular Mechanisms Underlying The Action Of Ginsenoside Rg1 Against Alzheimer'S Disease.

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