BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-NRG2 Antibody Picoband®

Catalog Number: PA1637

About NRG2

Neuregulin 2, also known as NRG2, DON1 or NTAK, is a protein that in humans is encoded by the NRG2 gene. Neuregulin 2 (NRG2) is a novel member of the neuregulin family of growth and differentiation factors. The NRG2 gene is mapped to 5q31.2. Through interaction with the ErbB family of receptors, NRG2 induces the growth and differentiation of epithelial, neuronal, glial, and other types of cells. The human NRG2 gene contains 12 exons and the mouse Nrg2 gene contains 12 exons and spans about 180 kb. The NRG2 genomic structure is similar to that of neuregulin 1 (NRG1), another member of the neuregulin family of ligands. NRG1 and NRG2 mediate distinct biological processes by acting at different sites in tissues and eliciting different biological responses in cells. In particular, the neuregulin-ERBB signaling pathways play crucial roles in regulating the proliferation and differentiation of Schwann cells, the myelin-forming cells in the peripheral nervous system.

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Overview

Product Name	Anti-NRG2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NRG2 Antibody catalog # PA1637. 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	O14511

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antibody and ELISA experts

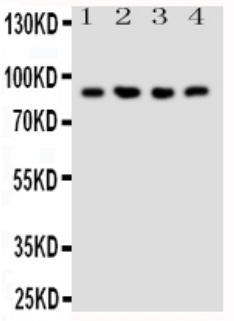
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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human NRG2, 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

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Anti-NRG2 Antibody Picoband® (PA1637) Images



Anti-NRG2 antibody, PA1637, Western blottingAll lanes: Anti NRG2 (PA1637) at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 50ug Lane 2: COLO320 Whole Cell Lysate at 40ug Lane 3: SMMC Whole Cell Lysate at 40ug Lane 4: SW620 Whole Cell Lysate at 40ug Predicted bind size: 91KD Observed bind size: 91KD

Anti-NRG2 Antibody

For Research Use Only. Not for use in diagnostic procedures.