BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Neurosecretory protein VGF VGF Antibody Picoband®

Catalog Number: PA1984

About VGF

VGF (VGF, Nerve Growth Factor-Inducible), is a protein and neuropeptide that may play a role in regulating energy homeostasis, metabolism. Canu et al. (1997) noted that rat Vgf encodes a predicted 70-kD polypeptide that shares similarities with the secretogranin/chromogranin family and is found in the secretory granules of subsets of neurons and endocrine cells. By fluorescence in situ hybridization, Canu et al. (1997) assigned the VGF gene to 7q22. Canu et al. (1997) demonstrated that the single-copy human VGF gene spans 6 kb of genomic DNA and contains 2 exons. The entire VGF protein is encoded by exon 2, while exon 1 contains only 5-prime untranslated sequence. The structural organization of the human gene is similar to that described for the rat VGF gene (Salton et al., 1991), and both the translated and the untranslated regions show a high degree of sequence homology to the rat gene.

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Overview

Product Name	Anti-Neurosecretory protein VGF VGF Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Neurosecretory protein VGF VGF Antibody catalog # PA1984. 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	O15240

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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human VGF, different from the related rat and mouse sequences 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, Mouse, Rat

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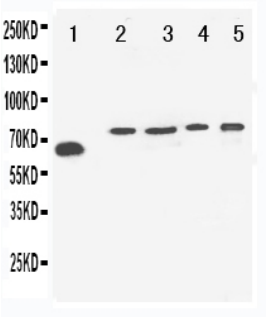
Anti-Neurosecretory protein VGF VGF Antibody Picoband® (PA1984) Images



Anti-VGF antibody, PA1984, Western blottingLane 1: Rat Brain TissueLane 2: U87 Cell LysateLane 3: U87 Cell LysateLane 4: SHG Cell LysateLane 5: NEURO Cell Lysate

Anti-Neurosecretory protein VGF VGF Antibody

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