Product datasheet

Anti-VGF Antibody

Catalog Number: *BA3095-2*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
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Basic Information

Product Name	Anti-VGF Antibody
Gene Name	VGF
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
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.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	67 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

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.

Reference

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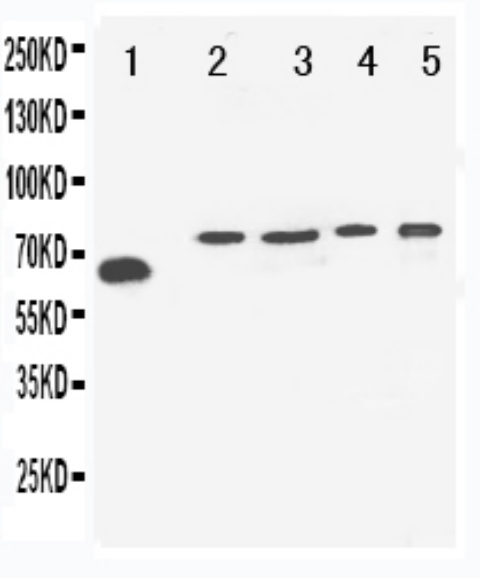
Anti-VGF Antibody被引用在5文献中。

Selected Validation Data



Western blot analysis of VGF using anti-VGF antibody (BA3095-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Rat Brain tissue,
Lane 2: U87 whole cell lysates,
Lane 3: U87 whole cell lysates,
Lane 4: SHG whole cell lysates,
Lane 5: NEURO whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-VGF antigen affinity purified polyclonal antibody (BA3095-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for VGF at approximately 67 kDa. The expected band size for VGF is at 67 kDa.