BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Neurosecretory protein VGF VGF Antibody

Catalog Number: A03966

About VGF

VGF was initially identified as a rapidly regulated gene product in nerve growth factor-treated PC12 cells. This protein is synthesized in neurons in the central and peripheral nervous system as well as in the pituitary, adrenal medulla, endocrine cells of the stomach, and pancreatic beta cells. VGF is thought to be involved in organism energy balance and regulation of homeostasis as mice lacking this gene show deficits in these areas. More recent results suggest that VGF is upregulated by brain-derived neurotrophic factor (BDNF) and can stimulate the proliferation of hippocampal progenitor cells and produce antidepressant-like behavioral effects, suggesting that this pathway may be a suitable target for therapeutic treatments.

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Overview

Product Name	Anti-Neurosecretory protein VGF VGF Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Neurosecretory protein VGF VGF Antibody (Catalog # A03966). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	VGF Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	VGF antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O15240

Technical Details

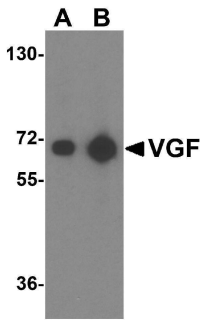
Immunogen	VGF antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of the human VGF. The immunogen is located within the last 50 amino acids of VGF.
Predicted Reactive Species	Bovine

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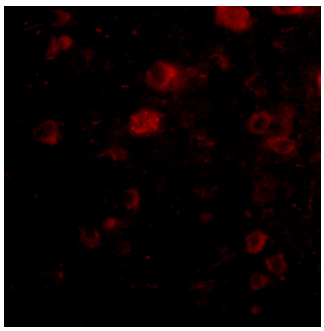
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	VGF Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	VGF antibody can be used for detection of VGF by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-Neurosecretory protein VGF VGF Antibody (A03966) Images



Western blot analysis of VGF expression in human brain tissue lysate with VGF antibody at (A) 1 and (B) 2 ug/ml.



Immunofluorescence of VGF in Human Brain cells with VGF antibody at 20 ug/mL.

Anti-Neurosecretory protein VGF VGF Antibody

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