

Datasheet for ABIN6990908
anti-VGF antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	VGF
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VGF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product 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.
Isotype:	IgG
Purification:	VGF Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	VGF
Alternative Name:	VGF (VGF Products)
Background:	VGF Antibody: 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

Target Details

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.

Molecular Weight: Predicted: 68 kDa

Observed: 70 kDa

Gene ID: 7425

NCBI Accession: [NP_003369](#)

UniProt: [O15240](#)

Pathways: [Hormone Transport](#), [Carbohydrate Homeostasis](#)

Application Details

Application Notes: VGF antibody can be used for detection of VGF by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/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.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: VGF Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Handling

Storage Comment: VGF antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.