

VGF Antibody

Catalog No: #24686

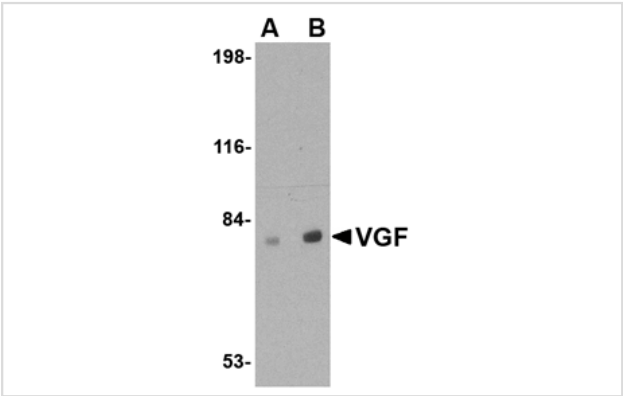


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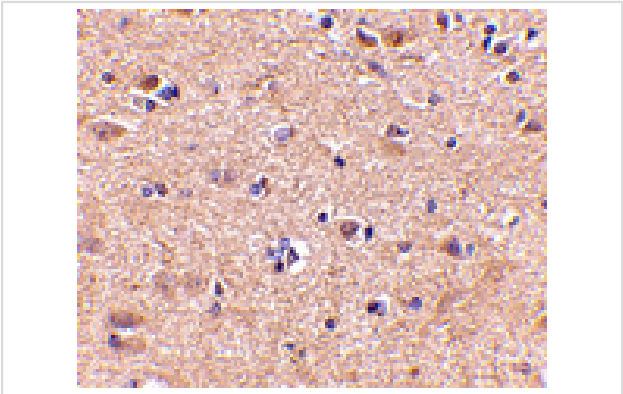
Description

Product Name	VGF Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of the human VGF.
Target Name	VGF
Other Names	Neurosecretory protein VGF, VGF nerve growth factor inducible
Accession No.	Swiss-Prot:O15240Gene ID:7425
Uniprot	O15240
GeneID	7425;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

Images



Western blot analysis of VGF in human brain tissue lysate with VGF antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of VGF in human brain with VGF antibody at 5 ug/mL.

Background

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.

Note: This product is for in vitro research use only