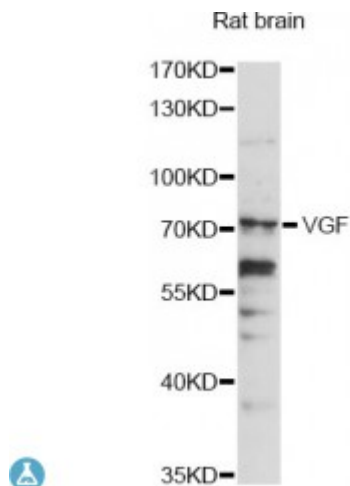


Anti-VGF Antibody



Description

This gene is specifically expressed in a subpopulation of neuroendocrine cells, and is upregulated by nerve growth factor. The structural organization of this gene is similar to that of the rat gene, and both the translated and the untranslated regions show a high degree of sequence similarity to the rat gene. The encoded secretory protein also shares similarities with the secretogranin/chromogranin family, however, its exact function is not known.

Model	STJ116995
Host	Rabbit
Reactivity	Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 466-615 of human VGF (NP_003369.2).
Gene ID	7425
Gene Symbol	VGF
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Central and peripheral nervous systems, synthesized exclusively in neuronal and neuroendocrine cells
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Neurosecretory protein VGF [Cleaved into: Neuroendocrine regulatory peptide-1 NERP-1 ; Neuroendocrine regulatory peptide-2 NERP-2 ;

	Antimicrobial peptide VGF
Molecular Weight	67.258 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:12684OMIM:602186Reactome:R-HSA-381426
Alternative Names	Neurosecretory protein VGF [Cleaved into: Neuroendocrine regulatory peptide-1 NERP-1 ; Neuroendocrine regulatory peptide-2 NERP-2 ; Antimicrobial peptide VGF
Function	May be involved in the regulation of cell-cell interactions or in synatogenesis during the maturation of the nervous system,
Cellular Localization	Secreted,
Post-translational Modifications	Multiple peptides are derived from VGF, with activities in synaptic plasticity, antidepressant, penile erection, autonomic activation, and increases in energy expenditure,