

Rabbit VGF Polyclonal Antibody | anti-VGF antibody

VGF Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40236	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

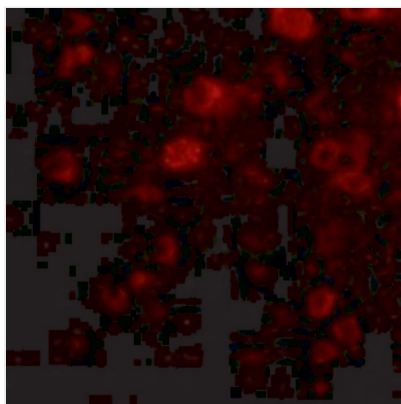
PRODUCT SYNONYMS

VGF; Polyclonal Antibody; VGF Antibody; Neurosecretory protein VGF; NERP-1; VGF nerve growth factor inducible; anti-VGF antibody

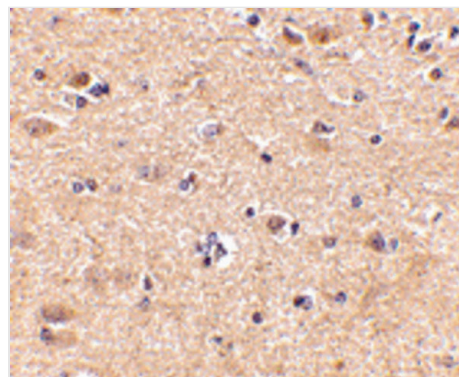
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	VGF Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; VGF Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	615
Applicable Applications for anti-VGF antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
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.
Homology	Predicted Species reactivity based on immunogen sequence: Bovine: (100%)
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

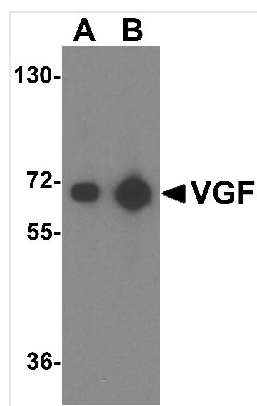
IMAGES


IF (Immunofluorescence)

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


IHC (Immunohistochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-VGF antibody

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 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17136078
NCBI GeneID	7425
NCBI Accession #	NP_003369
NCBI GenBank Nucleotide #	NM_003378.3
UniProt Accession #	O15240; Q9UDW8
Molecular Weight	Predicted: 68 kDa Observed: 70 kDa
NCBI Official Full Name	neurosecretory protein VGF
NCBI Official Synonym Full Names	VGF nerve growth factor inducible
NCBI Official Symbol	VGF
NCBI Protein Information	neurosecretory protein VGF; neuro-endocrine specific protein VGF
UniProt Protein Name	Neurosecretory protein VGF
UniProt Gene Name	VGF
UniProt Synonym Gene Names	NERP-1; NERP-2
UniProt Entry Name	VGF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/vgf-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40236>