

Rabbit VGF Polyclonal Antibody | anti-VGF antibody

VGF Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324906	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

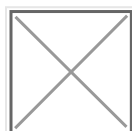
PRODUCT SYNONYMS

VGF; Polyclonal Antibody; VGF Antibody; NERP-1; NERP-2; Nerve growth factor inducible; Neuroendocrine regulatory peptide-2; Neurosecretory protein VGF; VGF_HUMAN; anti-VGF antibody

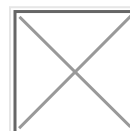
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	VGF antibody detects endogenous levels of total VGF
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	615
Applicable Applications for anti-VGF antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Secreted. Cytoplasmic Vesicle > Secretory Vesicle. Stored in secretory vesicles and then secreted, NERP peptides colocalize with vasopressin in the storage granules of hypothalamus.
Tissue Specificity	Central and peripheral nervous systems, synthesized exclusively in neuronal and neuroendocrine cells.
Predicted Cross Reactivity	Pig, Bovine, Dog
Similarity	Pig (90%), Bovine (90%), Dog (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of VGF expression in Rat brain lysate


IHC (Immunohistochemistry)

AAA324906 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

**WB (Western Blot)**

Western blot analysis of extracts from RAW264.7 cells, using VGF antibody.

**IF (Immunofluorescence)**

AAA324906 staining RAW264.7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-VGF antibody	Function: May be involved in the regulation of cell-cell interactions or in synatogenesis during the maturation of the nervous system. Post-translational Modifications: Multiple peptides are derived from VGF, with activities in synaptic plasticity, antidepresson, penile erection, autonomic activation, and increases in energy expenditure.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17136078
NCBI GeneID	7425
NCBI Accession #	NP_003369.2
NCBI GenBank Nucleotide #	NM_003378.3
UniProt Accession #	O15240; Q9UDW8
Molecular Weight	Observed: 67 kD Predicted: 68 kDa
NCBI Official Full Name	neurosecretory protein VGF
NCBI Official Synonym Full Names	VGF nerve growth factor inducible
NCBI Official Symbol	VGF
NCBI Official Synonym Symbols	SCG7; SgVII
NCBI Protein Information	neurosecretory protein VGF
UniProt Protein Name	Neurosecretory protein VGF
UniProt Gene Name	VGF
UniProt Synonym Gene Names	NERP-1; NERP-2

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vgf-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324906>