



## Rabbit Anti-VGF antibody

SL11795R

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name:</b>          | VGF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Chinese Name:</b>          | 神经内分泌调节肽VGF抗体                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Alias:</b>                 | NERP-1; Nerve growth factor inducible; Neuroendocrine regulatory peptide-1; Neurosecretory protein VGF; VGF; VGF_HUMAN.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Organism Species:</b>      | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clonality:</b>             | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>React Species:</b>         | Human,Mouse,Rat,Cow,Guinea Pig,Danio rerio                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications:</b>          | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.                                                                                                                                                                                                                                                     |
| <b>Molecular weight:</b>      | 65kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cellular localization:</b> | cytoplasmicSecretory protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form:</b>                  | Lyophilized or Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration:</b>         | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human NERP1:231-330/615                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Lsotype:</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purification:</b>          | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                                                                                                                                                                       |
| <b>PubMed:</b>                | <a href="#">PubMed</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Product Detail:</b>        | 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. [provided by RefSeq, Jul 2008] |

**Function:**

May be involved in the regulation of cell-cell interactions or in synatogenesis during the maturation of the nervous system.

NERP peptides are involved in the control of body fluid homeostasis by regulating vasopressin release.

**Subcellular Location:**

Secreted. Cytoplasmic vesicle, secretory vesicle. Note=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.

**Post-translational modifications:**

Multiple peptides are derived from VGF, with activities in synaptic plasticity, antidepressation, penile erection, autonomic activation, and increases in energy expenditure.

**SWISS:**

O15240

**Gene ID:**

7425

**Database links:**

[Entrez Gene: 7425](#) Human

[Entrez Gene: 381677](#) Mouse

[Entrez Gene: 29461](#) Rat

[Omim: 602186](#) Human

[SwissProt: O15240](#) Human

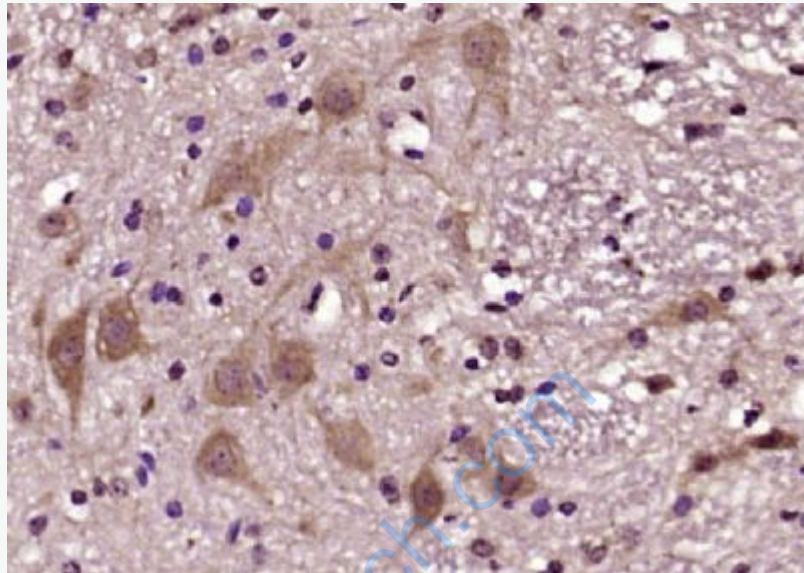
[SwissProt: P20156](#) Rat

[Unigene: 587325](#) Human

**Important Note:**

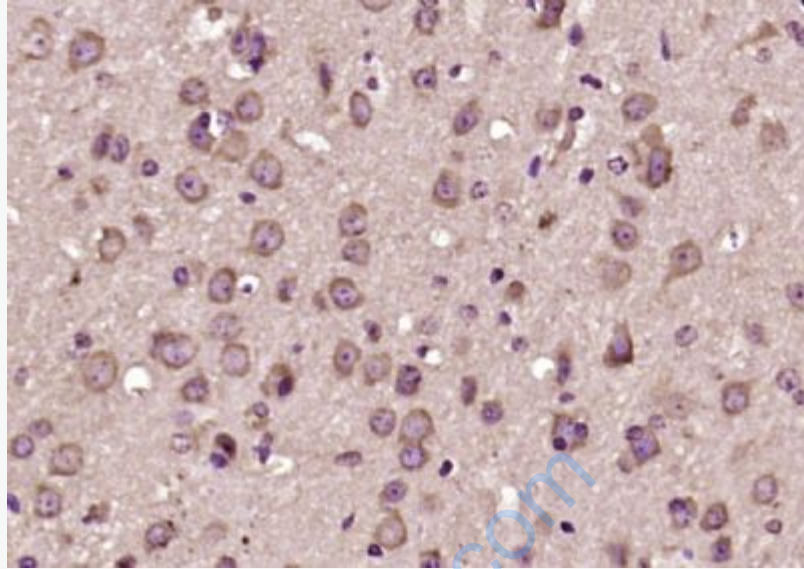
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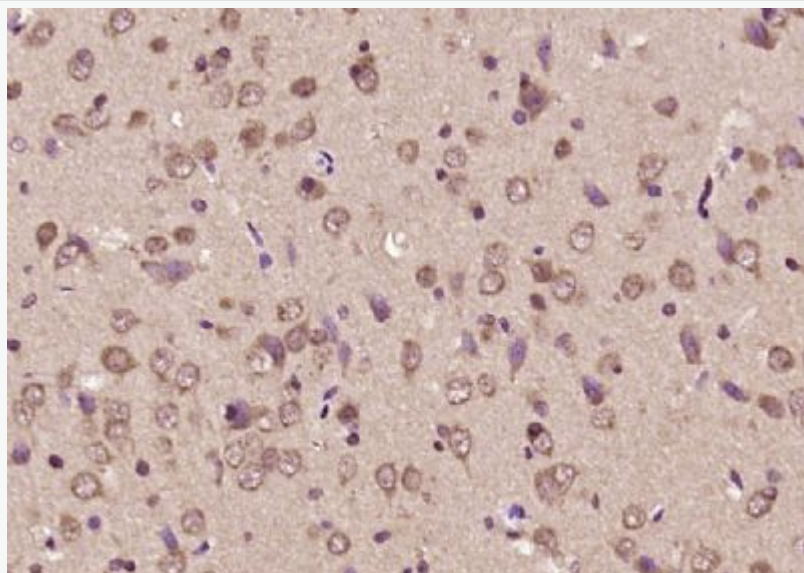


**Picture:**

Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VGF) Polyclonal Antibody, Unconjugated (SL11795R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VGF) Polyclonal Antibody, Unconjugated (SL11795R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VGF) Polyclonal Antibody, Unconjugated (SL11795R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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