

## Rabbit Anti-VGF/AF350 Conjugated antibody

SL11795R-AF350

|                          |   |
|--------------------------|---|
| <b>Product Name</b>      | Anti-VGF/AF350  |
| <b>Chinese Name</b>      | AF350 标记的神经内分泌调节肽 VGF 抗体  |
| <b>Alias</b>             | NERP-1; Nerve growth factor inducible; Neuroendocrine regulatory peptide-1; Neurosecretory protein VGF; VGF; VGF_HUMAN.   |
| <b>Research Area</b>     | Cell biology Neurobiology Growth factors and hormones   |
| <b>Immunogen Species</b> | Rabbit  |
| <b>Clonality</b>         | Polyclonal  |
| <b>React Species</b>     | Mouse,Rat(predicted:Human,Cow,GuineaPig,Danio rerio)<br>IF=1:100-500  |
| <b>Applications</b>      | not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.   |
| <b>Molecular weight</b>  | 65kDa   |
| <b>Form</b>              | Lyophilized or Liquid   |
| <b>Concentration</b>     | 1mg/ml  |
| <b>immunogen</b>         | KLH conjugated synthetic peptide derived from human NERP1   |
| <b>Lsotype</b>           | IgG   |
| <b>Purification</b>      | affinity purified by Protein A  |
| <b>Storage Buffer</b>    | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol<br>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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.   |
| <b>Storage</b>           |   |
| <b>Product Detail</b>    | <b>background:</b><br>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 synaptogenesis 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, antidepressant, penile erection, autonomic activation, and increases in energy expenditure.

**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:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.