

神经生长因子诱导蛋白抗体

产品货号： mlR6349

英文名称： VGF

中文名称： 神经生长因子诱导蛋白抗体

别名： NERP-1; NERP-2; Nerve growth factor inducible; Neuroendocrine regulatory peptide-2; Neurosecretory protein VGF; VGF_HUMAN.

研究领域： 细胞生物 神经生物学 信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Cow, Horse,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量：65kDa

细胞定位：细胞浆 分泌型蛋白

性状：Lyophilized or Liquid

浓度：1mg/ml

免疫原：KLH conjugated synthetic peptide derived from human Nerve growth factor inducible:451-550/615

亚型：IgG

纯化方法：affinity purified by Protein A

储存液：0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件：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.

PubMed：PubMed

产品介绍：VGF is a peptide synthesized and secreted by neurons and is upregulated by NGF in the PC12 cell line. VGF is widely expressed in both the PNS and CNS, but is especially abundant in the adult hypothalamus. VGF

plays an essential role in how the brain regulates energy expenditure and body weight. Its expression is rapidly induced by injury, the circadian clock, and neuronal activity

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. 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

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