

Artemin 抗体

产品货号 : mIR22202

英文名称 : Artemin

中文名称 : Artemin 抗体

别名 : Artemin; ARTN; Enovin; EVN; NBN; Neublabin

研究领域 : 发育生物学 神经生物学

抗体来源 : Rabbit

克隆类型 : Polyclonal

交叉反应 : Human, Mouse, Rat, Chicken, Pig, Rabbit,

产品应用 : WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 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：12/19kDa

细胞定位：分泌型蛋白

性状：Lyophilized or Liquid

浓度：1mg/ml

免疫原：KLH conjugated synthetic peptide derived from human Artemin:141-220/220

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： Artemin is a novel member of the GDNF ligand family, supports peripheral and central neurons and signals through the GFR alpha3-RET receptor complex. The protein encoded by this gene is a member of the glial cell line-derived neurotrophic factor (GDNF) family of ligands which are a group of ligands within the TGF-beta superfamily of signaling molecules. GDNFs are unique in having neurotrophic properties and have potential use for gene therapy in neurodegenerative disease. Artemin has been shown in culture to support the survival of a number of periferal neuron populations and at least one population of dopaminergic CNS neurons. Its role in the PNS and CNS is further substantiated by its expression pattern in the proximity of these neurons. This protein is a ligand for the RET receptor and uses GFR-alpha 3 as a coreceptor. Four alternatively spliced transcripts have been described, two of which encode the same protein.

Function:

Ligand for the GFR-alpha-3-RET receptor complex but can also activate the GFR-alpha-1-RET receptor complex. Supports the survival of sensory and sympathetic peripheral neurons in culture and also supports the survival of dopaminergic neurons of the ventral mid-brain. Strong attractant of gut hematopoietic cells thus promoting the formation Peyer's patch-like structures, a major component of the gut-associated lymphoid tissue (By similarity).
Subunit : Homodimer; disulfide-linked. Binds to RET.

Subcellular Location:

Secreted.

Tissue Specificity:

Cochlea. Expressed at higher level in sesorineural epithelium than in the modiolus region or substantia nigra.

Similarity:

Belongs to the TGF-beta family. GDNF subfamily.

SWISS:

Q9Z0L2

Gene ID:

9048

Important Note:

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

神经生物学相关蛋白 (Neurobiology) Artemin 是 GDNF 家族的一个新成员, 已被证实它是从前的孤儿受体 GFRalpha3-RET 的配体。Artemin 是感觉和交感神经元培养的一个存活因子, 它的表达形式也影响体内的这些神经元。Artemin 还能激活 GFRalpha1-RET 复合物并支持培养中脑多巴胺神经元存活

产品图片

