

Rabbit Anti-Artemin antibody

SL0055R

Product Name	Artemin
Chinese Name	Artemin 抗体
Alias	ARTN_HUMAN; ARTN; Enovin; EVN; Neublastin; ART; NBN;
Research Area	Developmental biology Neurobiology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, (predicted: Mouse, Rat,) IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	12/19kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from mouse Artemin: 101-170/224
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	This gene encodes a secreted ligand of the glial cell line-derived neurotrophic factor (GDNF) subfamily and TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this

family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein signals through the RET receptor and GFR alpha 3 coreceptor, and supports the survival of a number of peripheral neuron populations and at least one population of dopaminergic CNS neurons. This protein has also been shown to promote tumor growth, metastasis, and drug resistance in mammary carcinoma. [provided by RefSeq, Aug 2016]

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 sensorineural epithelium than in the modiolus region or substantia nigra.

Similarity:

Belongs to the TGF-beta family. GDNF subfamily.

SWISS:

Q9Z0L2

Gene ID:

11876

Database links:

[Entrez Gene: 9048](#) Human

[Entrez Gene: 11876](#) Mouse

[Entrez Gene: 362572](#) Rat

[Omim: 603886](#) Human

[SwissProt: Q5T4W7](#) Human

[SwissProt: Q9Z0L2](#) Mouse

[SwissProt: Q6AYE8](#) Rat

[Unigene: 632404](#) Human

[Unigene: 56897](#) Mouse

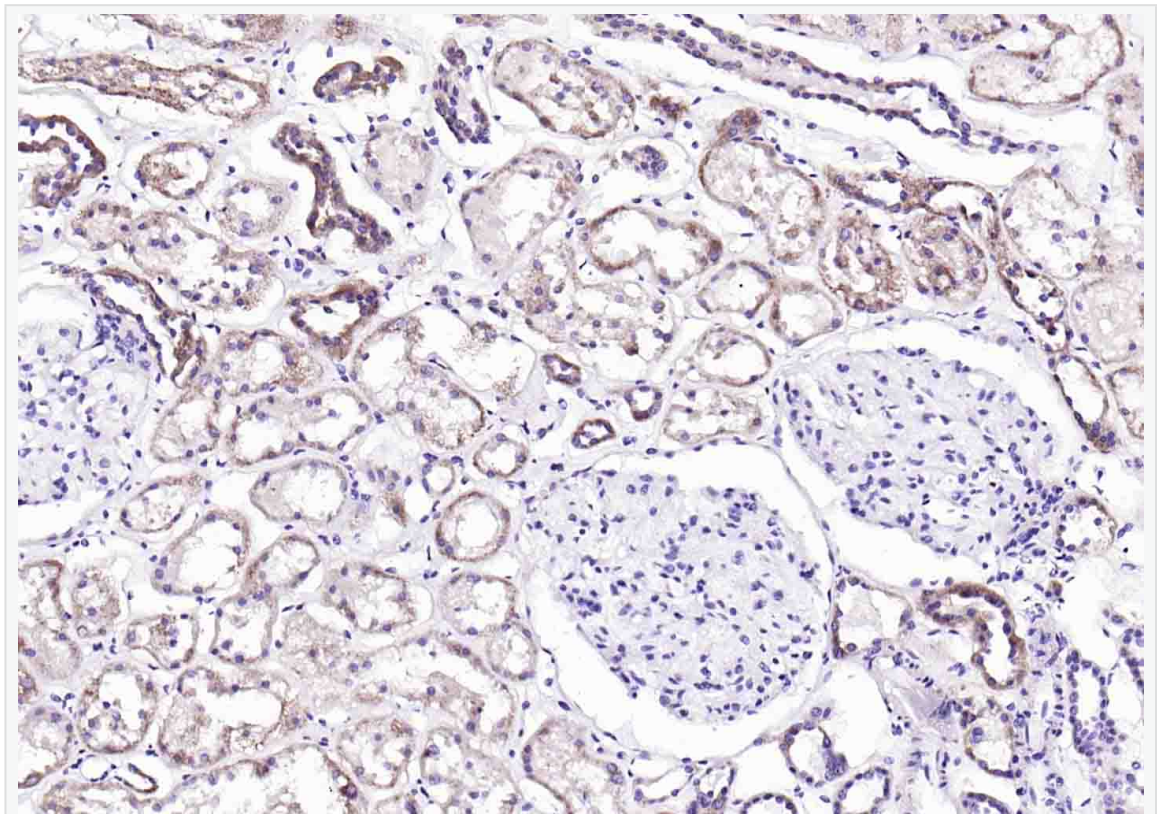
[Unigene: 154711](#) Rat

Neurobiology 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。

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by



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3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Artemin) Polyclonal Antibody, Unconjugated (SL0055R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.