SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Artemin antibody

Catalog Number: SL22203R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Artemin
Immunogen:	KLH conjugated synthetic peptide derived from mouse Artemin: 141-224/224
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human)
Predicted MW.:	12/19kDa
Subcellular Location:	Secretory protein
Background:	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

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	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. **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-related protein (Neurobiology) Artemin is a new member of the GDNF family and has been confirmed to be the ligand of the previously orphan receptor GFRalpha3-RET. Artemin is a survival factor for cultured sensory and sympathetic neurons, and its expression pattern also affects these neurons in vivo. Artemin can also activate the GFRalpha1-RET complex and support the survival of cultured midbrain dopaminergic neurons

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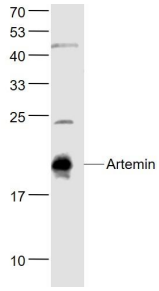
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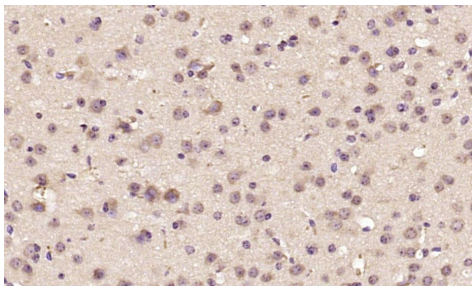
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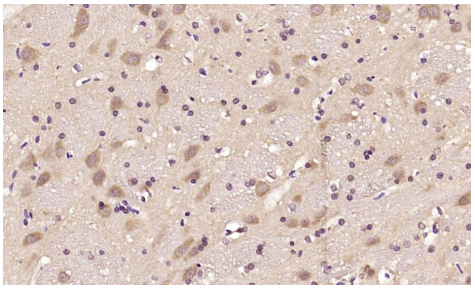
[VALIDATION IMAGES]



Sample:
Testis (Mouse) Lysate at 40 ug
Primary: Anti- Artemin (SL22203R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 12/19 kD
Observed band size: 19 kD



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 (Artemin) Polyclonal Antibody, Unconjugated (SL22203R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand 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 (Artemin) Polyclonal Antibody, Unconjugated (SL22203R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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