

## Artemin Polyclonal Antibody

Catalog Number PA1-4142

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	<div>Tested Applications</div> <div>Dilution *</div> <div>Western Blot (WB)</div> <div>1:500</div> <div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Class	Polyclonal		
Type	Antibody		
Immunogen	Synthetic peptide corresponding to residues G(127) P G S R A R A A G A R G C(140) of human Artemin.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

### Product specific information

PA1-4142 detects human Artemin. PA1- 4142 has been successfully used in Western blot procedures. By Western blot this antibody detects a ~20 kDa protein representing human Artemin in dorsal root ganglia/CNS preparation. The PA1- 4142 immunogen is a synthetic peptide corresponding to residues G(127) P G S R A R A A G A R G C(140) of human Artemin.

### Background/Target Information

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 peripheral 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. Multiple transcript variants encoding different isoforms have been found for this gene.

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Fig. 1

**Artemin Antibody (PA1-4142) in WB**  
Western blot detection of human Artemin from dorsal root ganglia/CNS preparation using Product # PA1-4142.

Artemin



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