

Datasheet: AHP1275

**BATCH NUMBER 170905**

<b>Description:</b>	RABBIT ANTI HUMAN ARTEMIN
<b>Specificity:</b>	ARTEMIN
<b>Other names:</b>	ARTN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended.
<b>Antiserum Preparation</b>	Antisera to human Artemin were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	None present.

## Stabilisers

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0mg/ml

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**Immunogen** Recombinant human Artemin.

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## External Database Links

**UniProt:**  
[Q5T4W7](#) [Related reagents](#)

**Entrez Gene:**  
[9048](#) ARTN [Related reagents](#)

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**Synonyms** EVN

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**RRID** AB\_2058559

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**Specificity** **Rabbit anti Human Artemin antibody** recognizes human Artemin, a disulfide-linked homodimer and member of the GDNF (glial cell line-derived neurotrophic factor) family of ligands, and cysteine-knot superfamily of growth factors, which shares structural homology with GDNF, Persephin and Neurturin.

Artemin acts as a neurotrophic survival and differentiation factor for all peripheral ganglia, and mainly signals through binding to the GDNF-family receptor known as GFR-alpha-3, which then forms a complex with the tyrosine kinase transmembrane signalling receptor RET.

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**Further Reading**

1. Baloh, R.H. *et al.* (1998) Artemin, a novel member of the GDNF ligand family, supports peripheral and central neurons and signals through the GFRalpha3-RET receptor complex. [Neuron. 21: 1291-1302.](#)
2. Arighi, E. *et al.* (2005) RET tyrosine kinase signaling in development and cancer. [Cytokine Growth Factor Rev. 16: 441-467.](#)

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**Storage** Prior to reconstitution store at -20°C.  
After reconstitution store at -20°C.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10162 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP1275>  
10162

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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