

Datasheet: AHP1275

Description:	RABBIT ANTI HUMAN ARTEMIN
Specificity:	ARTEMIN
Other names:	ARTN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - lyophilised
Reconstitution	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended.
Antiserum Preparation	Antisera to human Artemin were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present.
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Recombinant human Artemin.

**External Database
Links**

UniProt:

[Q5T4W7](#)

[Related reagents](#)

Entrez Gene:

[9048](#)

ARTN

[Related reagents](#)

Synonyms

EVN

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.

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.](#)

Storage

Prior to reconstitution store at +4°C.

After reconstitution store at -20°C

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

Shelf Life

12 months from date of reconstitution.

**Health And Safety
Information**

Material Safety Datasheet Documentation #10162 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (2AB02...)

[Biotin](#)

Sheep Anti Rabbit IgG (STAR34...)

[FITC](#)

Sheep Anti Rabbit IgG (STAR35...)

[RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...)

[Biotin](#), [FITC](#), [HRP](#)

Goat Anti Rabbit IgG (H/L) (STAR124...)

[HRP](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Sheep Anti Rabbit IgG (STAR54...)

[HRP](#)

Recommended Useful Reagents

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

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