

Product datasheet for **AP01145PU-S**

Artemin (ARTN) Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | ELISA, WB |
| Recommended Dilution: | Indirect ELISA: To detect Human Artemin (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human Artemin. Sandwich ELISA: To detect Human Artemin (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. In conjunction with Biotinylated Anti-Human Artemin (Cat.Nr AP01145BT) as a Detection antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human Artemin. Western blot: To detect Human Artemin this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human Artemin is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Highly pure (> 98%) derived recombinant Human Artemin |
| Specificity: | This antibody detects Artemin. |
| Formulation: | PBS, pH 7.2 State: Aff - Purified State: Sterile filtered lyophilized Ig fraction |
| Reconstitution Method: | Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1-1.0 mg/ml. |
| Purification: | Immunoaffinity Chromatography |
| Conjugation: | Unconjugated |
| Storage: | Store the lyophilized antibody at -20°C. Following reconstitution it is stable for two weeks at 2-8°C. Frozen aliquots are stable for 6 months when stored at -20°C. Avoid repeated freezing and thawing. |



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| Stability: | Shelf life: One year from despatch. |
| Gene Name: | artemin |
| Database Link: | Entrez Gene 9048 Human Q5T4W7 |
| Background: | Artemin is a member of the glial cell line-derived neurotrophic factor (GDNF) family of ligands, a group of ligands within the TGF-beta superfamily of signalling 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. Four alternatively spliced transcripts have been described, two of which encode the same protein. |
| Synonyms: | Enovin, Neublastin, ARTN, EVN |