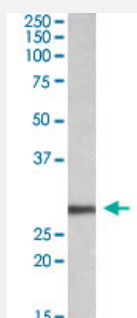


# ARTN polyclonal antibody

Catalog # PAB18977      Size 100 ug

## Applications



### Western Blot (Cell lysate)

ARTN polyclonal antibody (Cat # PAB18977, 0.1 ug/mL) staining of HEK293 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of ARTN.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids at internal region of human ARTN.
<b>Sequence</b>	C-NSTWRTVDRLS
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	28
<b>Reactivity</b>	Human
<b>Specificity</b>	This antibody is expected to recognize all reported isoforms (NP_003967.2; NP_476501.1; NP_476431.2). Reported variants represent identical protein: NP_476431.2, NP_001129687.1 Reported variants represent identical protein: NP_003967.2, NP_476432.2
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL

<b>Recommend Usage</b>	ELISA (1:8000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 0.5 mg/mL in Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

ARTN polyclonal antibody (Cat # PAB18977, 0.1 ug/mL) staining of HEK293 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — ARTN

<b>Entrez GeneID</b>	<a href="#">9048</a>
<b>Protein Accession#</b>	<a href="#">NP_476431.2</a>
<b>Gene Name</b>	ARTN
<b>Gene Alias</b>	ENOVIN, EVN, NBN
<b>Gene Description</b>	artemin
<b>Omim ID</b>	<a href="#">603886</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	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. [provided by RefSeq]

**Other Designations**

OTTHUMP00000009173|OTTHUMP00000009174|neublastin|neurotrophic factor|neurotrophic factor artemin

**Disease**

- [Genetic Predisposition to Disease](#)
- [Hirschsprung Disease](#)