

**Goat Anti-Neurturin Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1728b****Specification**

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**Goat Anti-Neurturin Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q99748</a>
Other Accession	<a href="#">NP_004549</a> , <a href="#">4902</a>
Reactivity	Human, Mouse
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	22405

**Goat Anti-Neurturin Antibody - Additional Information****Gene ID** 4902**Other Names**

Neurturin, NRTN

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-Neurturin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-Neurturin Antibody - Protein Information****Name** NRTN {ECO:0000303|PubMed:31535977, ECO:0000312|HGNC:HGNC:8007}**Function**

Growth factor that supports the survival of sympathetic neurons in culture (PubMed:&lt;a href="http://www.uniprot.org/citations/8945474" target="\_blank"&gt;8945474&lt;/a&gt;). May regulate the development and maintenance of the CNS (PubMed:&lt;a

[8945474](http://www.uniprot.org/citations/8945474)). Involved in the development of the neural crest (PubMed: [15242795](http://www.uniprot.org/citations/15242795)). Might control the size of non- neuronal cell population such as haemopoietic cells (PubMed: [8945474](http://www.uniprot.org/citations/8945474)). Acts by binding to its coreceptor, GFRA2, leading to autophosphorylation and activation of the RET receptor (PubMed: [10829012](http://www.uniprot.org/citations/10829012), PubMed: [29414779](http://www.uniprot.org/citations/29414779), PubMed: [31535977](http://www.uniprot.org/citations/31535977)). Heparan sulfate- binding is required for signaling (PubMed: [29414779](http://www.uniprot.org/citations/29414779)).

#### Cellular Location

Secreted {ECO:0000250|UniProtKB:P97463}.

### Goat Anti-Neurturin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Goat Anti-Neurturin Antibody - Images



AF1728b (0.1 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-Neurturin Antibody - Background

Neurturin is a member of the TGF-beta subfamily, TRN. This gene signals through RET and a GPI-linked coreceptor, and promotes survival of neuronal populations. A neurturin mutation has been described in a family with Hirschsprung Disease.

### Goat Anti-Neurturin Antibody - References

Polymorphisms in the genes encoding the 4 RET ligands, GDNF, NTN, ARTN, PSPN, and susceptibility to Hirschsprung disease. Fernandez RM, et al. J Pediatr Surg, 2008 Nov. PMID 18970938.

Expression patterns of the glial cell line-derived neurotrophic factor, neurturin, their cognate receptors GFRalpha-1, GFRalpha-2, and a common signal transduction element c-Ret in the human skin hair follicles. Adly MA, et al. J Am Acad Dermatol, 2008 Feb. PMID 18222320.

Glial cell line-derived neurotrophic factor and neurturin inhibit neurite outgrowth and activate RhoA through GFR alpha 2b, an alternatively spliced isoform of GFR alpha 2. Yoong LF, et al. J Neurosci, 2007 May 23. PMID 17522305.

Glial cell-line derived neurotrophic factor and neurturin regulate the expressions of distinct miRNA precursors through the activation of GFRalpha2. Yoong LF, et al. J Neurochem, 2006 Aug. PMID 16895582.

Expression and function of glial cell line-derived neurotrophic factor family ligands and their receptors on human immune cells. Vargas-Leal V, et al. J Immunol, 2005 Aug 15. PMID 16081799.