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Goat Anti-Neurturin Antibody

Peptide-affinity purified goat antibody
Catalog # AF1728b

Specification

Goat Anti-Neurturin Antibody - Product Information

Application	**WB**
Primary Accession	Q99748
Other Accession	NP_004549, 4902
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

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

Function
Supports the survival of sympathetic neurons in culture. May regulate the development and maintenance of the CNS. Might control the size of non-neuronal cell population such as haemopoietic cells.

Cellular Location
Secreted.

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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 Cytomety
- 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.
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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.