

NRTN Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14055c**Specification**

NRTN Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q99748
Other Accession	NP_004549.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22405
Antigen Region	46-75

NRTN Antibody (Center) - Additional Information**Gene ID** 4902**Other Names**

Neurturin, NRTN

Target/Specificity

This NRTN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-75 amino acids from the Central region of human NRTN.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

NRTN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NRTN Antibody (Center) - 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:[8945474](#)). May regulate the development and maintenance of the CNS (PubMed:[8945474](#)). Involved in the development of the neural crest (PubMed:[15242795](#)). Might control the size of non- neuronal cell population such as haemopoietic cells (PubMed:[8945474](#)). Acts by binding to its coreceptor, GFRA2, leading to autophosphorylation and activation of the RET receptor (PubMed:[10829012](#), PubMed:[29414779](#), PubMed:[31535977](#)). Heparan sulfate- binding is required for signaling (PubMed:[29414779](#)).

Cellular Location

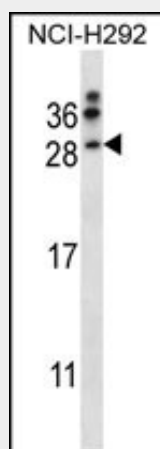
Secreted {ECO:0000250|UniProtKB:P97463}.

NRTN Antibody (Center) - 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](#)

NRTN Antibody (Center) - Images



NRTN Antibody (Center) (Cat. #AP14055c) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the NRTN antibody detected the NRTN protein (arrow).

NRTN Antibody (Center) - 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. [provided by RefSeq].

NRTN Antibody (Center) - References

Fernandez, R.M., et al. J. Pediatr. Surg. 43(11):2042-2047(2008)
Adly, M.A., et al. J. Am. Acad. Dermatol. 58(2):238-250(2008)

Yoong, L.F., et al. J. Neurosci. 27(21):5603-5614(2007)
Yoong, L.F., et al. J. Neurochem. 98(4):1149-1158(2006)
Vargas-Leal, V., et al. J. Immunol. 175(4):2301-2308(2005)