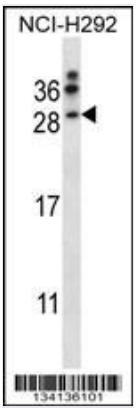
NRTN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NRTN, Polyclonal Antibody
Full Product Name	NRTN, ID (NRTN, Neurturin)
Product Gene Name	anti-NRTN antibody
Product Synonym Names	Anti -NRTN, ID (NRTN, Neurturin)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	22,405 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (5823818..5828335). Location: 19p13.3
OMIM	602018
3D Structure	ModBase 3D Structure for Q99748
Immunogen	NRTN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-75 amino acids from the Central region of human NRTN.
Product Categories/Family for anti-NRTN antibody	Antibodies; Abs to Proteins
Applications Tested/Suitable for anti-NRTN antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-NRTN antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-NRTN antibody	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].
Other Notes	Small volumes of anti-NRTN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NRTN purchase	MBS642720 is an antibody targeting NRTN. Also known as NRTN, ID (NRTN, Neurturin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NRTN antibody
NRTN Antibody (Center) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the NRTN antibody detected the NRTN protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NRTN. It may not necessarily be applicable to this product.

NCBI GI #	4758826
NCBI GeneID	4902
NCBI Accession #	NP_004549.1
UniProt Primary Accession #	Q99748
UniProt Secondary Accession #	B2RPE8
UniProt Related Accession #	Q99748
GenBank Nucleotide #	NM_004558.3
NCBI Official Full Name	neurturin preproprotein
NCBI Official Synonym Full Names	neurturin
NCBI Official Symbol	NRTN
NCBI Official Synonym Symbols	NTN
UniProt Protein Name	Neurturin
Protein Family	Neurturin
UniProt Gene Name	NRTN
UniProt Entry Name	NRTN_HUMAN
NCBI Protein Information	neurturin
NCBI Summary for NRTN	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, Jul 2008]

UniProt Comments for NRTN	NRTN: 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. Genetic variations in NRTN may contribute to Hirschsprung disease, in association with mutations of RET gene, and possibly mutations in other loci. Hirschsprung disease is a disorder of neural crest development is characterized by the absence of intramural ganglion cells in the hindgut, often resulting in intestinal obstruction. Belongs to the TGF-beta family. GDNF subfamily. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: axon; extracellular region Molecular Function: growth factor activity; receptor binding Biological Process: nervous system development; axon guidance; MAPKKK cascade; nerve development; neural crest cell migration; neurite development; transmembrane receptor protein tyrosine kinase signaling pathway Disease: Hirschsprung Disease, Susceptibility To, 1
Research Articles on NRTN	**1.** Human neurturin protected crayfish neurons and glia from photodynamic injury.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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