NRTN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NRTN, Polyclonal Antibody
Full Product Name	NRTN, ID (NRTN, Neurturin) (MaxLight 750)
Product Gene Name	anti-NRTN antibody
Product Synonym Names	NRTN; Neurturin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	22,405 Da
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.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-NRTN antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-NRTN antibody	Western Blot (WB), FLISA
Application Notes for anti-NRTN antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
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].
Product References and Citations for anti-NRTN antibody	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).
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	MBS6326840 is an antibody targeting NRTN. Also known as NRTN, ID (NRTN, Neurturin) (MaxLight 750). Reactive in Human. Host: Rabbit.

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; prepro-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.** In the cochlea, NTN immunostaining was found in the supporting cells of organ of Corti, including Deiters' cells, Hensen cells as well as Claudius' cells. In the spiral ganglia, NTN was seen in both the cell bodies and the nerve fibers of neurons.

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