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Neurturin Rabbit pAb

Catalog # AP98255

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q99748
Other Accession	Q99748
Reactivity	Human, Mouse
Predicted	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22405
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Neurturin
Epitope Specificity	151-197/197
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the TGF-beta family. GDNF subfamily.
SUBUNIT	Homodimer; disulfide-linked.
DISEASE	Note=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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Human Neurturin (NTN) and Human GDNF comprise a family of TGF-beta related neurotrophic factor which have trophic influences on a variety of neuronal populations. Neurturin promotes the survival of certain sympathetic and sensory neurins through interaction with distinct set of GDNF-like receptors

Additional Information

Gene ID	4902
Other Names	NTN; NRTN_HUMAN; NRTN; NRTN_MOUSE; neurturin; prepro-neurturin
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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}.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.