

ARG56821 anti-CNTF antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes CNTF
Tested Reactivity	Rat
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CNTF
Species	Rat
Immunogen	E.coli derived Recombinant Rat CNTF. (AFAEQTPLTL HRRDLCSRSI WLARKIRSDL TALMESYVKH QGLNKNINLD SVDGVPVAST DRWSEMTEAE RLQENLQAYR TFQGMMLTKLL EDQRVHFTPT EGDHFHQAIHT LMLQVSAFAY QLEELMVLE QKIPENEADG MPATVGDGGL FEKKLWGLKV LQELSQWTVR SIHDLRVISS HQMGISALES HYGAKDKQM)
Conjugation	Biotin
Alternate Names	HCNTF; CNTF; Ciliary neurotrophic factor

Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56712 as a capture antibody
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 25707 Rat](#)

[Swiss-port # P20294 Rat](#)

Gene Symbol

Cntf

Gene Full Name

ciliary neurotrophic factor

Background

The protein encoded by this gene is a polypeptide hormone whose actions appear to be restricted to the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. The protein is a potent survival factor for neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. A mutation in this gene, which results in aberrant splicing, leads to ciliary neurotrophic factor deficiency, but this phenotype is not causally related to neurologic disease. A read-through transcript variant composed of the upstream ZFP91 gene and CNTF sequence has been identified, but it is thought to be non-coding. Read-through transcription of ZFP91 and CNTF has also been observed in mouse. [provided by RefSeq, Oct 2010]

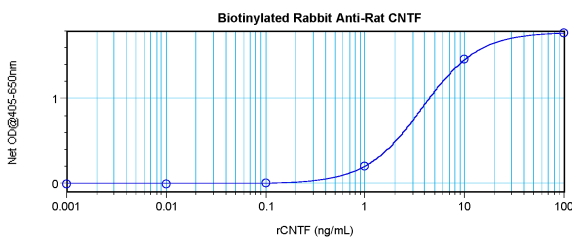
Function

CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy. [UniProt]

Calculated Mw

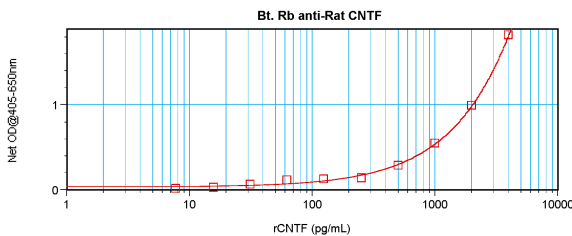
23 kDa

Images



ARG56821 anti-CNTF antibody (Biotin) standard curve image

Direct ELISA: ARG56821 anti-CNTF antibody (Biotin) at 0.25 - 1.0 $\mu\text{g}/\text{ml}$ results of a typical standard run with optical density.



ARG56821 anti-CNTF antibody (Biotin) standard curve image

Sandwich ELISA: ARG56821 anti-CNTF antibody (Biotin) as a detection antibody at 0.25 - 1.0 $\mu\text{g}/\text{ml}$ combined with ARG56712 anti-CNTF antibody as a capture antibody. Results of a typical standard run with optical density.