ARG56712
anti-CNTF antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CNTF
Tested Reactivity	Rat
Tested Application	ELISA, IHC-Fr, Neut, 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 TFQGMLTKLL EDQRVHFTPT EGDFHQAIHT LMLQVSAFAY QLEELMVLLE QKIPENEADG MPATVGDGGL FEKKLWGLKV LQELSQWTVR SIHDLRVISS HQMGISALES HYGAKDKQM)
Conjugation	Un-conjugated
Alternate Names	HCNTF; CNTF; Ciliary neurotrophic factor

Application Instructions

Application table

Application	Dilution
ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56821 as a detection antibody
IHC-Fr	0.25 µg/ml
Neut	0.02 - 0.05 µg/ml (To yield [ND50] of the biological activity of Rat CNTF (0.15 ng/ml))
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

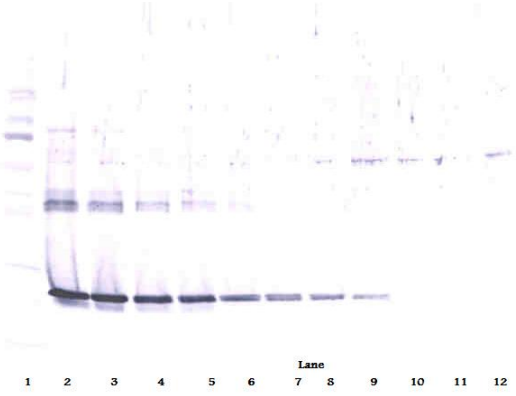
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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

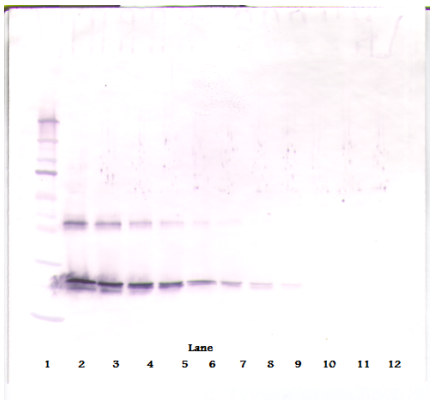
Database links	GeneID: 25707 Rat Swiss-port # P20294 Rat
Gene Symbol	Cntf
Gene Full Name	ciliary neurotrophic factor
Background	The protein encoded by this gene is a polypeptide hormone whose actions appear to be restricted to the nervous system where it promotes neurotransmitter synthesis and neurite 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



ARG56712 anti-CNTF antibody WB image

Western blot: 250 - 0.24 ng of Rat CNTF stained with ARG56712 anti-CNTF antibody, under reducing conditions.



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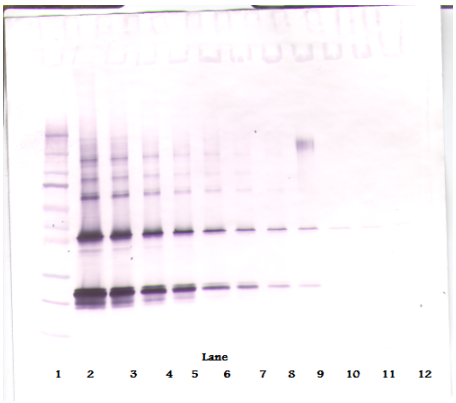
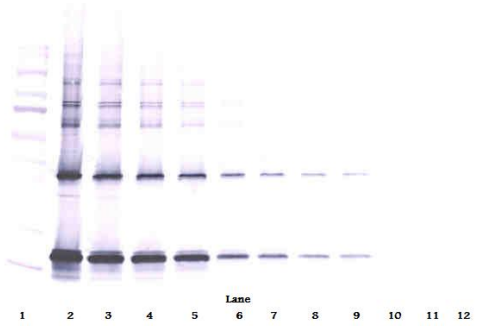


ARG56712 anti-CNTF antibody WB image

Western blot: 250 - 0.24 ng of Rat CNTF stained with ARG56712 anti-CNTF antibody, under non-reducing conditions.



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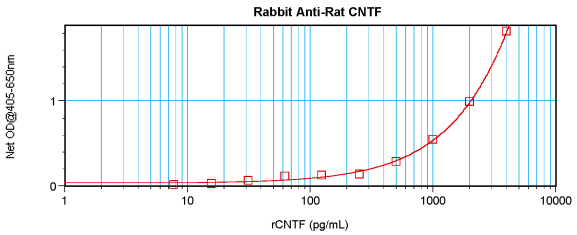

ARG56712 anti-CNTF antibody standard curve image

Sandwich ELISA: ARG56712 anti-CNTF antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG56821 anti-CNTF antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.