

Rabbit CNTF Polyclonal Antibody | anti-CNTF antibody

CNTF Antibody

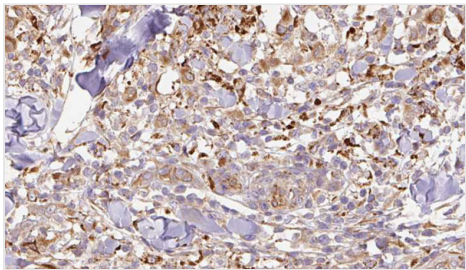
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326453	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

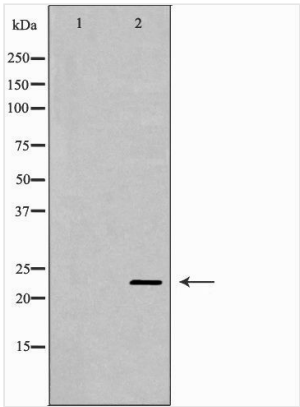
CNTF; Polyclonal Antibody; CNTF Antibody; Ciliary neurotrophic factor; CNTF_HUMAN; HCNTF; anti-CNTF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CNTF antibody detects endogenous levels of total CNTF
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	200
Applicable Applications for anti-CNTF antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CNTF
Subcellular Location	Cytoplasm.
Tissue Specificity	Nervous system.
Predicted Cross Reactivity	Horse, Dog
Similarity	Horse (89%), Dog (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326453 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of Mouse muscle, using CNTF antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CNTF antibody	Description: 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. Function: CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy. Subunit Structure: Homodimer. Similarity: Belongs to the CNTF family.
References	Lian J, Chen J, Yuan Y, Chen J, Daud M Sayed M, Luo L, Zhu Y, Li S, Bu S; Journal: Biomed Pharmacother. Cortex Mori Radicis extract attenuates myocardial damages in diabetic rats by regulating ERS.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758020
NCBI GeneID	1270
NCBI Accession #	NP_000605.1
NCBI GenBank Nucleotide #	NM_000614.3
UniProt Accession #	P26441; B2RAB2
Molecular Weight	Observed: 23 kDa Predicted: 23 kDa
NCBI Official Full Name	ciliary neurotrophic factor
NCBI Official Synonym Full Names	ciliary neurotrophic factor
NCBI Official Symbol	CNTF
NCBI Official Synonym Symbols	HCNTF
NCBI Protein Information	ciliary neurotrophic factor
UniProt Protein Name	Ciliary neurotrophic factor
UniProt Gene Name	CNTF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cntf-antibody-immunohistochemistry-western-blot-elisa/326453>