

**Anti-CNTF Picoband Antibody**  
Catalog # ABO12537**Specification**

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**Anti-CNTF Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P26441</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Ciliary neurotrophic factor(CNTF) detection. Tested with WB, ELISA in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-CNTF Picoband Antibody - Additional Information**

**Gene ID** 1270

**Other Names**

Ciliary neurotrophic factor, CNTF, CNTF

**Calculated MW**

22931 MW KDa

**Application Details**

ELISA , 0.1-0.5 µg/ml, Human, -<br>Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Cytoplasm.

**Tissue Specificity**

Nervous system.

**Protein Name**

Ciliary neurotrophic factor

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

E. coli-derived human CNTF recombinant protein (Position: H12-M200). Human CNTF shares 84.1% and 85.2% amino acid (aa) sequence identity with mouse and rat CNTF, respectively.

**Purification**

Immunogen affinity purified.

### Cross Reactivity

No cross reactivity with other proteins.

### Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## Anti-CNTF Picoband Antibody - Protein Information

### Name CNTF

### Function

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

### Cellular Location

Cytoplasm.

### Tissue Location

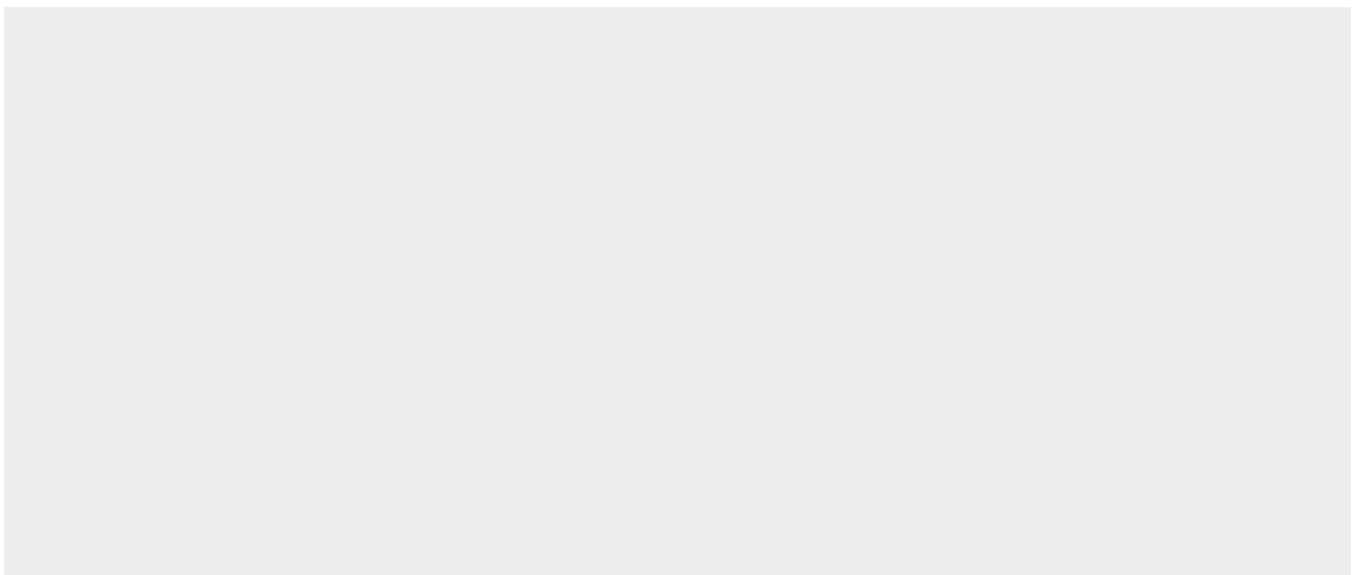
Nervous system.

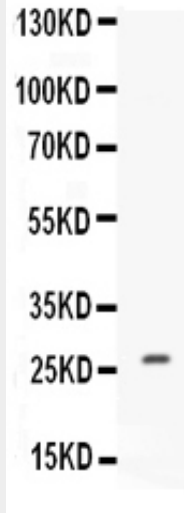
## Anti-CNTF Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-CNTF Picoband Antibody - Images





Western blot analysis of CNTF expression in MCF-7 whole cell lysates (lane 1). CNTF at 27KD was detected using rabbit anti-CNTF Antigen Affinity purified polyclonal antibody (Catalog # ABO12537) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method.

#### **Anti-CNTF Picoband Antibody - Background**

Ciliary neurotrophic factor (CNTF) is a potent polypeptide hormone whose actions appear to be restricted to the nervous system where it promotes survival, neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. This gene is located on chromosome 11, as determined using human-hamster somatic cell hybrids. The CNTF protein is highly conserved in evolution. The amino acid (aa) sequences of rat and rabbit CNTF translated from cDNAs display approx. 85% homology with the deduced aa sequence encoding human CNTF. CNTF induces weight loss and improves glucose tolerance in humans and rodents. It is thought to act centrally by inducing hypothalamic neurogenesis to modulate food intake and peripherally by altering hepatic gene expression, in a manner similar to that of leptin.