

**Anti-CNTF Picoband Antibody**  
**Catalog # ABO11756****Specification**

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

Application	WB, IHC-P
Primary Accession	<a href="#">P51642</a>
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Ciliary neurotrophic factor(CNTF) detection. Tested with WB, IHC-P in Mouse;Rat.

**Reconstitution**

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

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

**Gene ID** 12803

**Other Names**

Ciliary neurotrophic factor, CNTF, Cntf

**Calculated MW**

22587 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, By Heat<br>Western blot, 0.1-0.5 µg/ml, Mouse<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 NaN<sub>3</sub>.

**Immunogen**

E.coli-derived mouse CNTF recombinant protein (Position: A2-M198). Mouse CNTF shares 83% and 95% amino acid (aa) sequences identity with human 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.

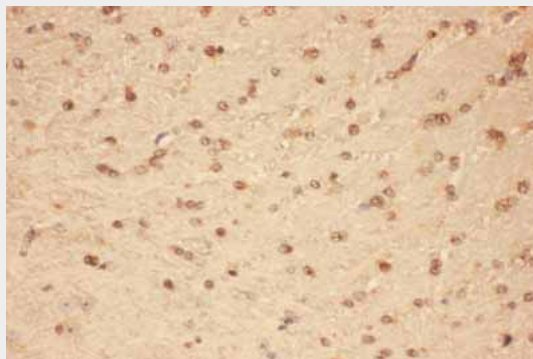
**Tissue Location**

Nervous system.

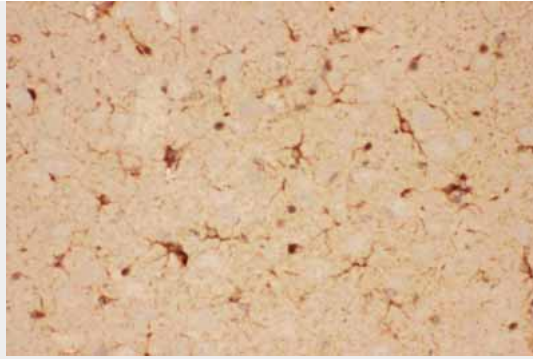
**Anti-CNTF Picoband Antibody - Protocols**

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**

Anti-CNTF Picoband antibody, ABO11756-1.JPGIHC(P): Mouse Brain Tissue



Anti-CNTF Picoband antibody, ABO11756-2.JPGIHC(P): Rat Brain Tissue



Anti-CNTF Picoband antibody, ABO11756-3.jpgAll lanes: Anti-CNTF(ABO11756) at 0.5ug/mlWB: Recombinant Mouse CNTF Protein 0.5ngPredicted bind size: 36KDObserved bind size: 36KD

#### **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. The mouse CNTF gene is on mouse chromosome 19 and that its expression is unaffected in the mouse neurologic mutant wobbler, a form of spinal muscular atrophy. The CNTF protein is highly conserved in evolution. The protein is a potent survival factor for neurons and oligodendrocytes, and it may be involved in reducing tissue destruction during inflammatory attacks. CNTF 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.