

**Anti-CNTF Picoband Antibody**  
**Catalog # ABO11783****Specification**

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

Application	IHC
Primary Accession	<a href="#">P20294</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, ELISA 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** 25707

**Other Names**

Ciliary neurotrophic factor, CNTF, Cntf

**Calculated MW**

22854 MW KDa

**Application Details**

ELISA , 0.1-0.5 µg/ml, Rat, -<br>Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, By Heat<br>Western blot, 0.1-0.5 µg/ml, Rat<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 rat CNTF recombinant protein (Position: A2-M200). Rat CNTF shares 84% and 95% amino acid (aa) sequences identity with human and mouse 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.

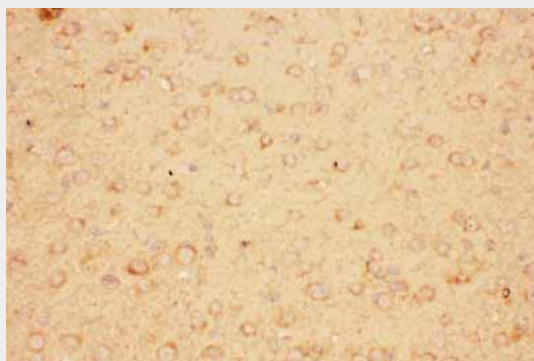
**Tissue Location**

Nervous system.

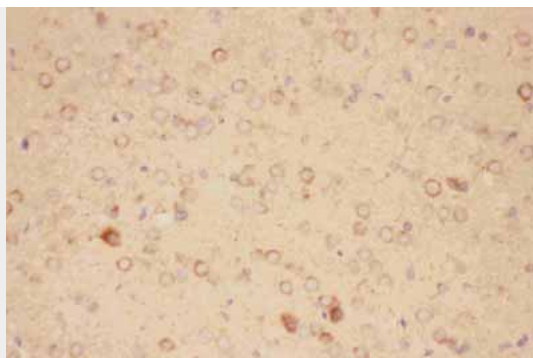
**Anti-CNTF Picoband Antibody - Protocols**

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

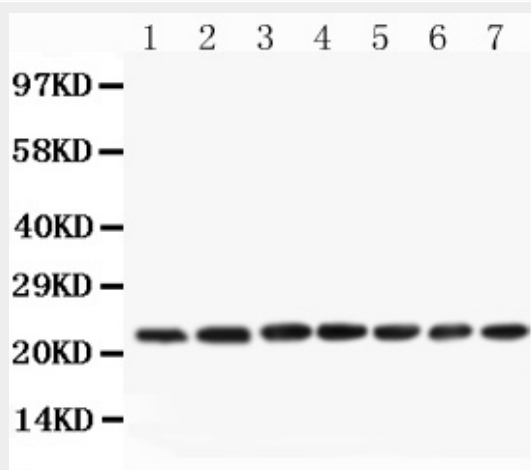
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-CNTF Picoband Antibody - Images**

Anti-CNTF Picoband antibody, ABO11783-1.JPGIHC(P): Mouse Brain Tissue



Anti-CNTF Picoband antibody, ABO11783-2.JPGIHC(P): Rat Brain Tissue



Anti-CNTF Picoband antibody, ABO11783-3.jpgAll lanes: Anti-CNTF(ABO11783) at 0.5ug/mlLane 1: PC-12 Whole Cell Lysate at 40ugLane 2: NRK Whole Cell Lysate at 40ugLane 3: RH35 Whole Cell Lysate at 40ugLane 4: Rat Brain Tissue Lysate at 40ugLane 5: Rat Liver Tissue Lysate at 40ugLane 6: Rat Spleen Tissue Lysate at 40ugLane 7: Rat Testis Tissue Lysate at 40ugPredicted bind size: 23KDObserved bind size: 23KD

### Anti-CNTF Picoband Antibody - Background

Ciliary neurotrophic factor is a protein that in humans is encoded by the CNTF gene. The protein encoded by this gene is a polypeptide hormone and nerve growth factor whose actions have mainly been studied in the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neural populations including astrocytes. It is mapped to 11q12.1. In addition to neurotrophic effects on parasympathetic neurons, CNTF was shown to have activities on sympathetic and sensory neurons. CNTF appears not to be involved in motor neuron survival during development. human CNTF has a trophic influence on degenerating striatal neurons as well as on critical nonstriatal regions. CNTF plays a role in a cardiac signal transduction pathway that regulates obesity-related left ventricular hypertrophy.