

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

Application	IHC, WB
Primary Accession	P51642
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
Western blot, 0.1-0.5 µg/ml, Mouse

Subcellular Localization

Cytoplasm.

Tissue Specificity

Nervous system.

Protein Name

Ciliary neurotrophic factor

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

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

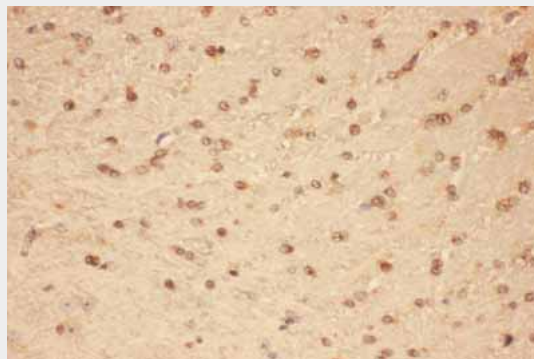
Nervous system.

Anti-CNTF Picoband Antibody - Protocols

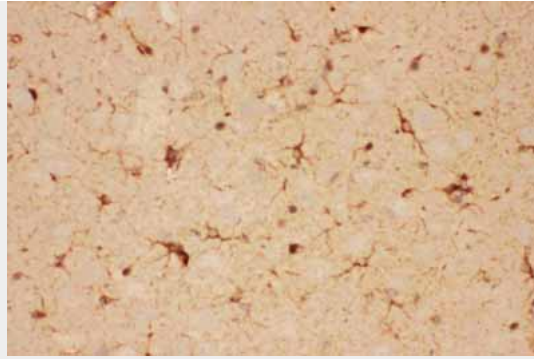
Provided below are standard protocols that you may find useful for product applications.

- [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.jpg All lanes: Anti-CNTF (ABO11756) at 0.5ug/ml WB: Recombinant Mouse CNTF Protein 0.5ng Predicted bind size: 36K Observed bind size: 36K

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.