

Anti-CNTF Picoband Antibody
Catalog # ABO11737**Specification**

Anti-CNTF Picoband Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P26441
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

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

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

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human

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 human CNTF recombinant protein (Position: A2-M200). Human CNTF shares 83% and 84% amino acid (aa) sequences 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.

Sequence Similarities

Belongs to the CNTF family.

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.

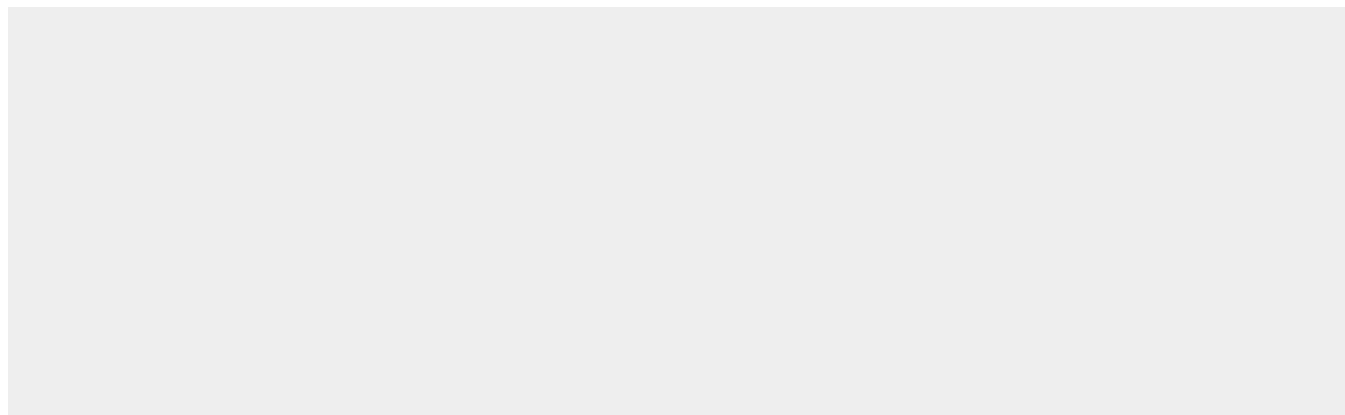
Tissue Location

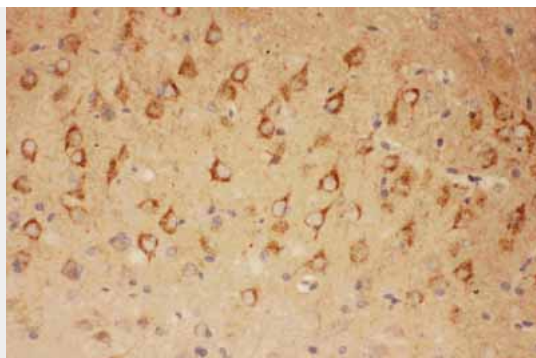
Nervous system.

Anti-CNTF Picoband Antibody - Protocols

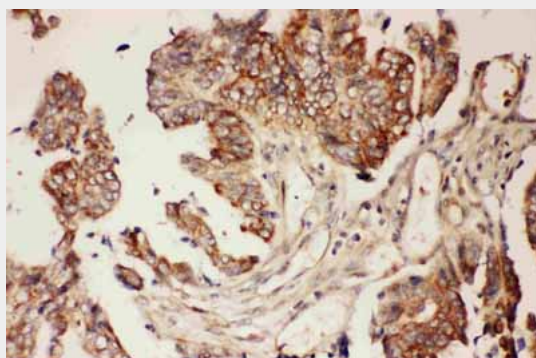
Provided below are standard protocols that you may find useful for product applications.

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

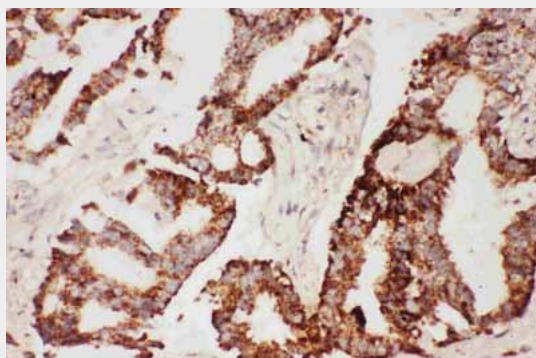
Anti-CNTF Picoband Antibody - Images



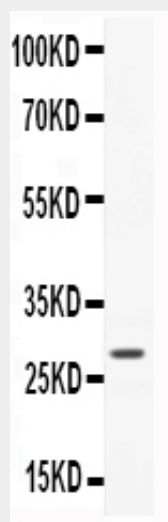
Anti-CNTF Picoband antibody, ABO11737-1.JPGIHC(P): Rat Brain Tissue



Anti-CNTF Picoband antibody, ABO11737-2.JPGIHC(P): Human Intestinal Cancer Tissue



Anti-CNTF Picoband antibody, ABO11737-3.JPGIHC(P): Human Lung Cancer Tissue



Anti-CNTF Picoband antibody, ABO11737-4.jpgAll lanes: Anti-CNTF(ABO11737) at 0.5ug/mlWB:
Recombinant Human CNTF Protein 0.5ngPredicted bind size: 28KDObserved bind size: 28KD

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 CNTF 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. 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.