Datasheet for ABIN3042752

anti-CNTF antibody (AA 2-198)

4 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	CNTF
Binding Specificity:	AA 2-198
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNTF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Ciliary neurotrophic factor(CNTF) detection. Tested with WB, IHC-P in Mouse,Rat.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Ciliary neurotrophic factor(CNTF) detection. Tested with WB, IHC-P in Mouse,Rat. Gene Name: ciliary neurotrophic factor Protein Name: Ciliary neurotrophic factor
Purification:	Immunogen affinity purified.

Target Details

Target:	CNTF
Alternative Name:	CNTF (CNTF Products)
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. Synonyms: Ciliary Neurotrophic Factor antibody|CNTF antibody|CNTF_HUMAN antibody|HCNTF antibody
Gene ID:	12803
UniProt:	P51642
Pathways:	JAK-STAT Signaling

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, The detection limit for CNTF is approximately 0.25 ng/lane under reducing conditions. IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

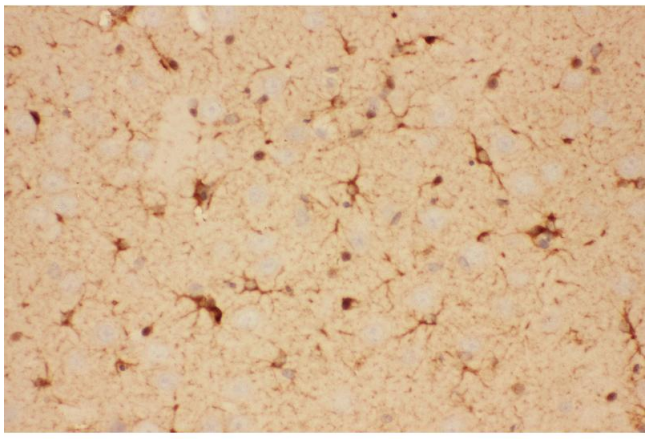
Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	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.

Images

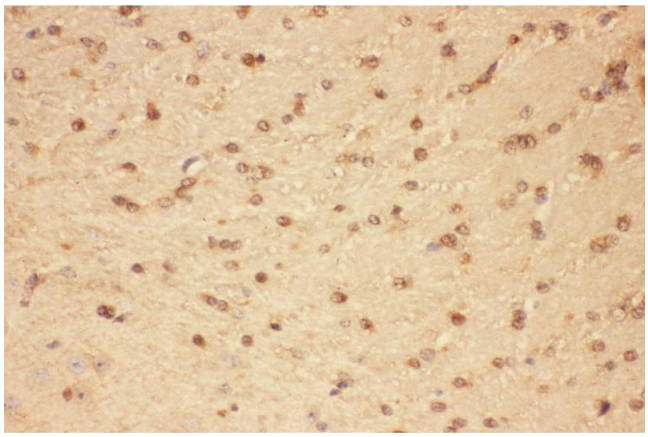
Western Blotting

Image 1. Anti-CNTF Picoband antibody, All lanes: Anti-CNTF at 0.5ug/ml WB: Recombinant Mouse CNTF Protein 0.5ng Predicted bind size: 36KD Observed bind size: 36KD



Immunohistochemistry

Image 2. Anti-CNTF Picoband antibody, IHC(P): Rat Brain Tissue



Immunohistochemistry

Image 3. Anti-CNTF Picoband antibody, IHC(P): Mouse Brain Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3042752.