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Datasheet for ABIN3042520
anti-CNTF antibody (AA 2-200)

4 Images

Overview

Quantity:	100 µg
Target:	CNTF
Binding Specificity:	AA 2-200
Reactivity:	Human, Rat
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 Human,Rat.
Brand:	Picoband™
Immunogen:	E.coli-derived human CNTF recombinant protein (Position: A2-M200). Human CNTF shares 83% and 84% amino acid (aa) sequence identity with mouse 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 Human,Rat. Gene Name: ciliary neurotrophic factor Protein Name: Ciliary neurotrophic factor

Product Details

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 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.

Synonyms: Ciliary Neurotrophic Factor antibody|CNTF antibody|CNTF_HUMAN antibody|HCNTF antibody

Gene ID: 1270

UniProt: [P26441](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for CNTF is approximately 0.25 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, 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.

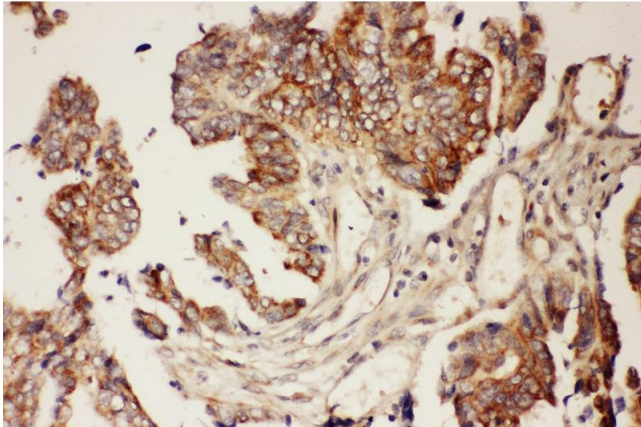
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

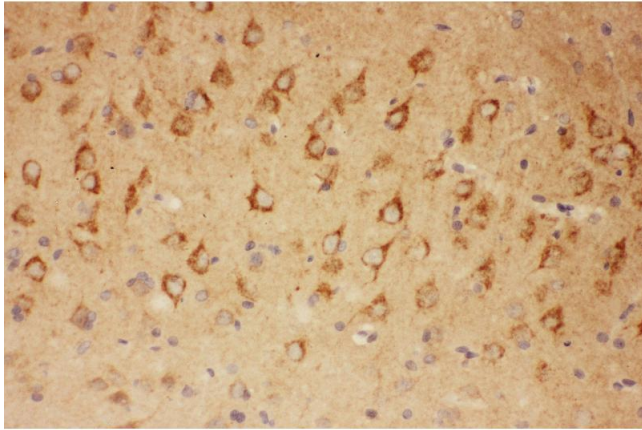
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: 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



Immunohistochemistry

Image 1. Anti-CNTF Picoband antibody, IHC(P): Human Intestinal Cancer Tissue



Immunohistochemistry

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



Western Blotting

Image 3. Anti-CNTF Picoband antibody, All lanes: Anti-CNTF at 0.5ug/ml WB: Recombinant Human CNTF Protein 0.5ng
Predicted bind size: 28KD Observed bind size: 28KD

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3042520.