

CNTF Rabbit pAb

Catalog Number: bs-1272R

Target Protein: CNTF

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Rat, Rabbit (predicted:Mouse, Pig)

Predicted MW: 23 kDa

Entrez Gene: 1270

Swiss Prot: P26441

Source: KLH conjugated synthetic peptide derived from human CNTF: 21-150/200.

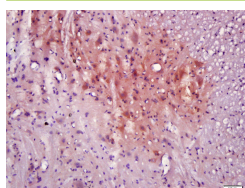
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

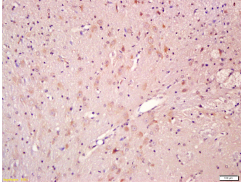
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a polypeptide hormone whose actions appear to be restricted to the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. The protein is a potent survival factor for neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. In addition to the predominant monocistronic transcript originating from this locus, the gene is also transcribed as a readthrough transcript with the upstream Zfp91 gene. The resulting protein is an isoform of Zfp91 and does not include Cntf sequence. Readthrough transcription of Zfp91 and Cntf has been observed in human and mouse.

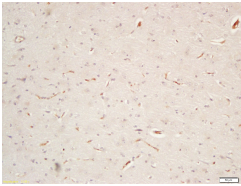
VALIDATION IMAGES



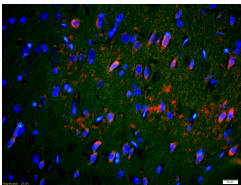
Tissue/cell: rat spinal cord tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CNTF Polyclonal Antibody, Unconjugated(bs-1272R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CNTF Polyclonal Antibody, Unconjugated(bs-1272R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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PRODUCT SPECIFIC PUBLICATIONS

[IF=5.32] Yang, Xu, et al. "Reversal of Bone Cancer Pain by HSV-1-Mediated Silencing of CNTF in an Afferent Area of the Spinal Cord Associated with AKT-ERK Signal Inhibition." *Current Gene Therapy* 14.5 (2014): 377-388. Other ; ="" . 25687503

[IF=2.784] Xiong LL et al. Tree shrew neural stem cell transplantation promotes functional recovery of tree shrews with a hemi-sectioned spinal cord injury by upregulating nerve growth factor expression. *Int J Mol Med*. 2018 Jun;41(6):3267-3277. IF ; tree shrews . 29532893

[IF=3.244] Fu XM et al. The Combination of Adipose-derived Schwann-like Cells and Acellular Nerve Allografts Promotes Sciatic Nerve Regeneration and Repair through the JAK2/STAT3 Signaling Pathway in Rats. *Neuroscience*. 2019 Nov 1;422:134-145. ICC,WB ; Rat . 31682951

[IF=1.94] De Nan. et al. In Vitro Study of Adipose-Derived Mesenchymal Stem Cells Transduced with Lentiviral Vector Carrying the Brain-Derived Neurotrophic Factor Gene. *Int J Stem Cells*. 2020; 13(3): 386–393 WB ; Mouse . 32840225