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CNTF Rabbit pAb

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Catalog # AP94413

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P26441
Reactivity	Rat, Rabbit
Predicted	Human, Mouse, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22931
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CNTF
Epitope Specificity	21-150/200
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
SIMILARITY	Belongs to the CNTF family.
SUBUNIT	Belongs to the CNTF family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	1270
Other Names	Ciliary neurotrophic factor, CNTF, CNTF
Target/Specificity	Nervous system.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

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.

Background

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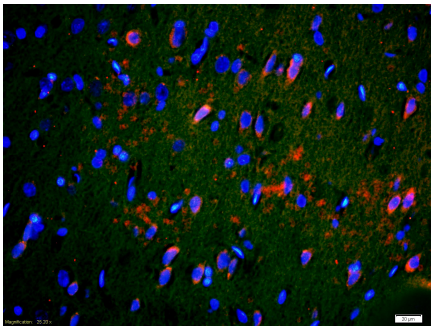
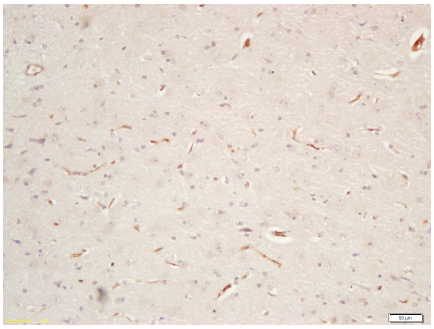
Images



Tissue/cell: rat brain tissue;4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-CNTF Polyclonal Antibody, Unconjugated(AP94413) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(AP94413-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei



Tissue/cell: rabbit 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℃ for 20 min;
Incubation: Anti-CNTF Polyclonal Antibody, Unconjugated(AP94413) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining