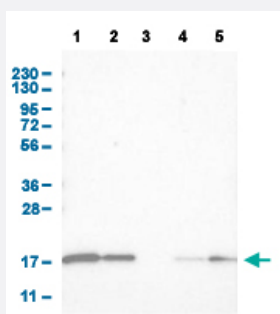


CNTF polyclonal antibody

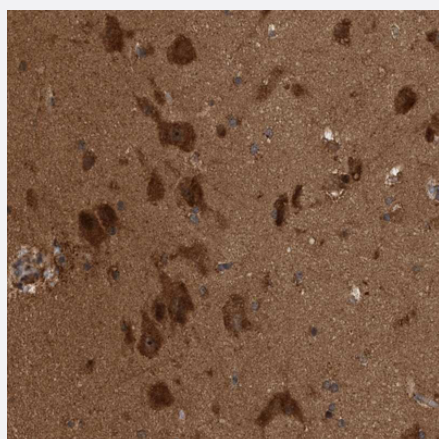
Catalog # PAB31678 Size 100 uL

Applications



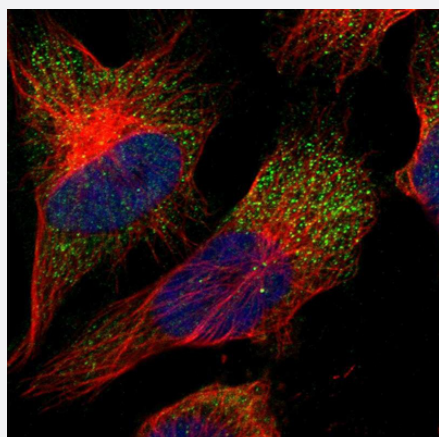
Western Blot

Western Blot analysis of (1) human cell line RT-4 (2) human cell line U-251MG sp (3) human plasma (IgG/HSA depleted) (4) human liver tissue, and (5) human tonsil tissue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex shows strong cytoplasmic and nucleolar positivity in neuronal cells.



Immunofluorescence

Immunofluorescent staining of human cell line U-251 MG shows localization to vesicles. Antibody staining is shown in green.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human CNTF.
Immunogen	Recombinant protein corresponding to amino acids 105-198 of human CNTF.
Sequence	FHQAIHTLLQVAAFAYQIEELMILLEYKIPRNEADGMPINVGDGGLFEKKLWGLKVLQELSQWTVR SIHDLRFISSHQTGIPARGSHYANNK
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (0.4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of (1) human cell line RT-4 (2) human cell line U-251MG sp (3) human plasma (IgG/HSA depleted) (4) human liver tissue, and (5) human tonsil tissue.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Immunofluorescent staining of human cell line U-251 MG shows localization to vesicles. Antibody staining is shown in green.

Gene Info — CNTF

Entrez GeneID [1270](#)

Protein Accession# [P26441](#)

Gene Name CNTF

Gene Alias HCNTF

Gene Description ciliary neurotrophic factor

Omim ID [118945](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. A mutation in this gene, which results in aberrant splicing, leads to ciliary neurotrophic factor deficiency, but this phenotype is not causally related to neurologic disease. A read-through transcript variant composed of ZFP91 and CNTF sequence has been identified, but it is thought to be non-coding. Read-through transcription of ZFP91 and CNTF has also been observed in mouse. [provided by RefSeq]

Other Designations OTTHUMP00000174731

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Eating Disorders](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Obesity](#)
- [Overweight](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)
- [Weight Loss](#)