CNTF Antibody (R32037)

Catalog No.	Formulation	Size
R32037	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P26441
Applications	Western blot: 0.1-0.5ug/ml ELISA: 0.1-0.5ug/ml (human protein tested); request BSA-free format for coating
Limitations	This CNTF antibody is available for research use only.



Western blot testing of human MCF7 cell lysate with CNTF antibody. Expected/observed molecular weight ~23 kDa.

Description

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. This 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. It 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.

Application Notes

Optimal dilution of the CNTF antibody should be determined by the researcher.

Immunogen

Amino acids 12-200 of human CNTF were used as the immunogen for the CNTF antibody.

Storage

After reconstitution, the CNTF antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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