

## CNTF Polyclonal Antibody

|                              |   |
|------------------------------|---|
| <b>Catalog No :</b>          | YN5627  |
| <b>Reactivity :</b>          | Human;Rat;Mouse   |
| <b>Applications :</b>        | WB  |
| <b>Target :</b>              | CNTF  |
| <b>Fields :</b>              | >>Cytokine-cytokine receptor interaction;>>JAK-STAT signaling pathway   |
| <b>Gene Name :</b>           | CNTF  |
| <b>Protein Name :</b>        | Ciliary neurotrophic factor (CNTF)  |
| <b>Human Gene Id :</b>       | 1270  |
| <b>Human Swiss Prot No :</b> | P26441  |
| <b>Mouse Swiss Prot No :</b> | P51642  |
| <b>Rat Swiss Prot No :</b>   | P20294  |
| <b>Immunogen :</b>           | Synthetic Peptide of CNTF   |
| <b>Specificity :</b>         | CNTF protein(A218) detects endogenous levels of CNTF  |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG  |
| <b>Dilution :</b>            | WB 1:500-1000   |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Concentration :</b>       | 1 mg/ml   |

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 30kD

**Cell Pathway :** Cytokine-cytokine receptor interaction;Jak\_STAT;

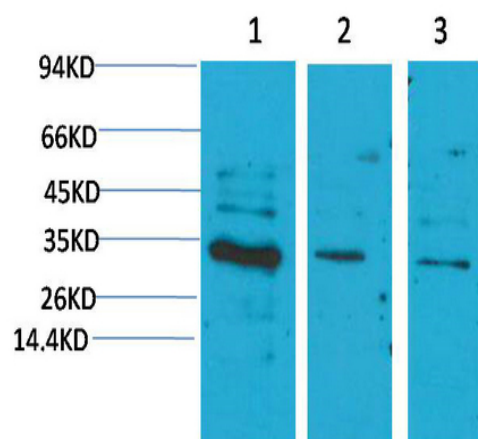
**Background :** The protein encoded by this gene is a polypeptide hormone whose actions appear to be restricted to the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. The protein is a potent survival factor for neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. 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 the upstream ZFP91 gene 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, Oct 2010],

**Function :** disease:Overexpressed in most acute myelogenous leukemia (AML) cases (27 over 29).,function:CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy.,function:May be involved in transcriptional regulation. May play an important role in cell proliferation and/or anti-apoptosis.,online information:Ciliary neurotrophic factor entry,similarity:Belongs to the CNTF family.,similarity:Belongs to the krueppel C2H2-type zinc-finger protein family.,similarity:Contains 5 C2H2-type zinc fingers.,subunit:Homodimer.,tissue specificity:Expressed ubiquitously, particularly at high level in testis. Isoform 2 is testis specific.,tissue specificity:Nervous system.,

**Subcellular Location :** Cytoplasm.

**Expression :** Nervous system.

## Products Images



Western blot analysis of 1) HeLa, 2) Mouse Brain Tissue, 3) Rat Brain Tissue with CNTF Rabbit pAb diluted at 1:2,000.