

## 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

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

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**Observed Band :** 30kD

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

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**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],

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**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.,

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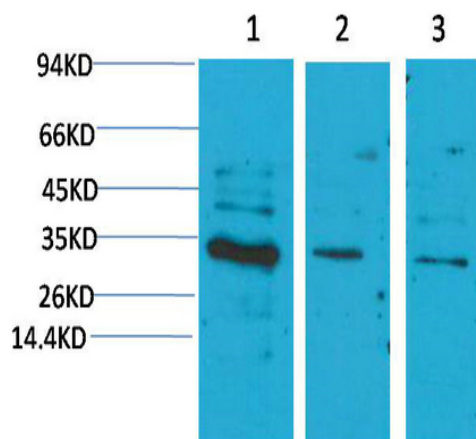
**Subcellular Location :** Cytoplasm.

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**Expression :** Nervous system.

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## 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.