

Goat Anti-CNTFR Antibody
Peptide-affinity purified goat antibody
Catalog # AF1258a**Specification**

Goat Anti-CNTFR Antibody - Product Information

Application	WB, E
Primary Accession	P26992
Other Accession	NP_001833 , 1271 , 12804 (mouse) , 313173 (rat)
Reactivity	Mouse
Predicted	Human, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	40633

Goat Anti-CNTFR Antibody - Additional Information**Gene ID** 1271**Other Names**

Ciliary neurotrophic factor receptor subunit alpha, CNTF receptor subunit alpha, CNTFR-alpha, CNTFR

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-CNTFR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CNTFR Antibody - Protein Information**Name** CNTFR**Function**

Binds to CNTF. The alpha subunit provides the receptor specificity. Receptor for heterodimeric

neurotrophic cytokine composed of CLCF1/CLC and CRLF1/CLF-1 (PubMed:26858303). Acts as a receptor for the neuroprotective peptide humanin as part of a complex with IL6ST/GP130 and IL27RA/WSX1 (PubMed:19386761).

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor.

Tissue Location

Nervous system and skeletal muscle.

Goat Anti-CNTFR Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-CNTFR Antibody - Images



AF1258a (0.3 µg/ml) staining of mouse brain lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-CNTFR Antibody - Background

This gene encodes a hematopoietin/interferon-class receptor belonging to the cytokine superfamily of receptors. The encoded gene product represents the CNTF-specific alpha subunit of a heterotrimer forming the CNTF receptor complex, which also includes LIFR and gp130. The receptor is attached to the membrane by a glycosyl-phosphatidylinositol linkage and contains an immunoglobulin-like C2-type domain and a fibronectin type-III domain. Signal transduction requires that CNTF bind first to this alpha component, which permits the recruitment of gp130 and LIFR beta

to form the tripartite receptor complex. Signal transduction stimulates gene expression, cell survival or differentiation in a variety of neuronal cell types. Alternative splicing has been observed at this locus and two variants, both encoding the same protein, have been identified.

Goat Anti-CNTFR Antibody - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.
New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.
Role of the neurotrophin network in eating disorders' subphenotypes: body mass index and age at onset of the disease. Gratac[il]s M, et al. J Psychiatr Res, 2010 Oct. PMID 20219210.
High-density association study of 383 candidate genes for volumetric BMD at the femoral neck and lumbar spine among older men. Yerges LM, et al. J Bone Miner Res, 2009 Dec. PMID 19453261.
Humanin inhibits neuronal cell death by interacting with a cytokine receptor complex or complexes involving CNTF receptor alpha/WSX-1/gp130. Hashimoto Y, et al. Mol Biol Cell, 2009 Jun. PMID 19386761.