

Chicken polyclonal antibody to CNTF

Catalogue No.:	C-1526-500
Description:	CNTF is a survival promoting factor for different types of neurons in vitro and in vivo. The essential structural features for the biological function of human CNTF were investigated by Thier, M. et al. They showed that deletion of 14 N-terminal and 18 C-terminal amino acids significantly increased bioactivity compared to wild-type CNTF. FUNCTION: CNTF is a survival factor for various neuronal cell types. Seems to prevent the degeneration of motor axons after axotomy. SUBUNIT: Homodimer. SUBCELLULAR LOCATION: Cytoplasm. TISSUE SPECIFICITY: Nervous system. PHARMACEUTICAL: CNTF is being tested under the name Axokine by Regeneron Pharmaceuticals for treatment of human motor neuron diseases, such as amyotrophic lateral sclerosis (ALS). As it induces substantial weight loss, preferentially of fat as opposed to lean body mass, it is being used for obesity treatment. SIMILARITY: Belongs to the CNTF family.
Batch No.:	See product label
Unit size:	500 uL
Antigen:	Mixture of two peptides from human CNTF (11-25 and 186-200 aa). Both peptides are highly conserved among human and mouse.
Sequence:	PHRRDLCSRSIWLAR and IPARGSHYIANNKKM
Other Names:	Ciliary neurotrophic factor;
Accession:	P26441 CNTF_HUMAN;
Produced in:	Chicken
Applications:	WB and ELISA at a suggested dilution of 1:500 to 1:2,000. A titration between 1:50 to 1:500 is suggested for IHC. Biosensis recommends that the optimal working dilution should be determined by the end user.
Cross-reactivity:	Human, Mouse, Rat
Form:	Liquid. PBS with 0.02% Sodium Azide
Storage:	Short term storage at 2-8C for one week. At -20C as an undiluted liquid for up to 12 months.
Expiry Date:	12 months after purchase

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