

Anti-CNTF Antibody Picoband® Biotin Conjugated

Catalog Number: PB9067-Biotin

About Cntf

Ciliary neurotrophic factor is a protein that in humans is encoded by the CNTF gene. The protein encoded by this gene is a polypeptide hormone and nerve growth factor whose actions have mainly been studied in the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neural populations including astrocytes. It is mapped to 11q12.1. In addition to neurotrophic effects on parasympathetic neurons, CNTF was shown to have activities on sympathetic and sensory neurons. CNTF appears not to be involved in motor neuron survival during development. Human CNTF has a trophic influence on degenerating striatal neurons as well as on critical nonstriatal regions. CNTF plays a role in a cardiac signal transduction pathway that regulates obesity-related left ventricular hypertrophy.

Overview

Product Name	Anti-CNTF Antibody Picoband® Biotin Conjugated
Reactive Species	Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P20294

Technical Details

Immunogen	E. coli-derived rat CNTF recombinant protein (Position: A2-M200). Rat CNTF shares 84% and 95% amino acid (aa) sequences identity with human and mouse CNTF, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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