



Anti-CNTF polyclonal antibody [Biotin] (DPABY-551)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Ciliary neurotrophic factor (CNTF) is structurally related to IL-6, IL-11, LIF, CLC, and OSM. CNTF was initially identified as a trophic factor for embryonic chick ciliary parasympathetic neurons in culture. Subsequent studies have demonstrated that CNTF is a survival factor for additional neuronal cell types, including dorsal root ganglion sensory neurons, sympathetic ganglion neurons, embryonic motor neurons, major pelvic ganglion neurons and hippocampal neurons.
Specificity	Detects human CNTF in ELISAs and Western blots. In sandwich immunoassays, less than 1% cross-reactivity with recombinant rat CNTF is observed.
Immunogen	E. coli-derived recombinant human CNTF . Ala2-Met200 Accession Number P26441
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 °C as supplied.
	1 month, 2 to 8 °C under sterile conditions after reconstitution.
	6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	CNTF ciliary neurotrophic factor [Homo sapiens (human)]
Official Symbol	CNTF
Synonyms	CNTF; ciliary neurotrophic factor; HCNTF;
Entrez Gene ID	1270
Protein Refseq	NP_000605
UniProt ID	P26441
Chromosome Location	11q12.2
Pathway	Cytokine-cytokine receptor interaction; Delta-Notch Signaling Pathway; Jak-STAT signaling pathway;
Function	ciliary neurotrophic factor receptor binding; growth factor activity; interleukin-6 receptor binding;