

Datasheet: AHP1277

Description:	RABBIT ANTI HUMAN CNTF
Specificity:	CNTF
Other names:	CILIARY NEUROTROPHIC FACTOR
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin	■			0.25ug/ml
ELISA	■			0.5 - 2.0ug/ml
Immunoprecipitation			■	
Western Blotting	■			0.1 - 0.2ug/ml
Functional Assays	■			7.0 - 11.0ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - lyophilized
Reconstitution	<p>Reconstitute with 0.1ml distilled water</p> <p>Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.</p> <p>N.B. For functional studies do not add sodium azide</p>
Antiserum Preparation	Antisera to human CNTF were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Recombinant human CNTF (PHP173)
External Database Links	<p>UniProt: P26441 Related reagents</p> <p>Entrez Gene: 1270 CNTF Related reagents</p>
RRID	AB_2292055
Specificity	<p>Rabbit anti Human CTNF antibody recognizes human CNTF (ciliary neurotrophic factor), a 200 amino acid homodimeric neurotrophic and differentiation factor of the CNTF family, which supports the survival and differentiation of several motor neuron types within the nervous system, but also affects other target tissues, including skeletal muscle (Vergara & Ramirez 2005), glial cells, hepatocytes and embryonic stem cells.</p> <p>CNTF mainly signals through binding to a receptor complex consisting of a CNTFRα subunit, two beta components, gp130 and LIFR, resulting ultimately in the activation of JAK/STAT signalling pathway, but CNTF has also been shown to bind to the receptor for interleukin-6 (IL-6R).</p>
ELISA	This purified human CNTF antibody may be used in an indirect ELISA with recombinant human CNTF (PHP173) as the standard.
Western Blotting	This purified human CNTF antibody may be used in Western Blotting applications under either reducing or non-reducing conditions with recombinant human CNTF (PHP173) as the positive control.
Further Reading	1. Vergara, C. & Ramirez, B. (2004) CNTF, a pleiotropic cytokine: emphasis on its myotrophic role. Brain Res Rev. 47 (1-3): 161-73.
Storage	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10294 available at: https://www.bio-rad-antibodies.com/SDS/AHP1277 10294
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M402123:220718'

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