

Datasheet: AHP2812Z

Description:	RABBIT ANTI HUMAN BETA-NGF:Preservative Free
Specificity:	BETA-NGF
Format:	Preservative Free
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
ELISA	▪			0.5 ug/ml - 2.0 ug/ml
Western Blotting	▪			0.1 ug/ml - 0.2 ug/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	Reconstitute with 0.1 ml distilled water
Antiserum Preparation	Produced from sera of rabbits immunized with recombinant human beta-NGF and purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/μg of protein (< 1 EU/μg)
Approx. Protein	IgG concentration 1.0 mg/ml after reconstitution

Concentrations

Immunogen *E. coli* derived recombinant human beta-NGF

External Database Links

UniProt:

[P01138](#)

[Related reagents](#)

Entrez Gene:

[4803](#)

NGF

[Related reagents](#)

Synonyms NGFB

Specificity

Rabbit anti Human beta-NGF antibody, recognizes beta-Nerve Growth Factor (beta-NGF), a member of the neurotrophin family of proteins. Beta-NGF plays a crucial role in neuronal cell survival and differentiation. It is also critical for the development and maintenance of the nervous system ([Yue et al. 2013](#)).

Beta-NGF elicits its biological function through the transmembrane receptors trkA and p75NTR. Upon activation of these receptors by beta-NGF, a multitude of signaling pathways are stimulated including MAPK, PI3K and ERK, that sensitize neurons and stimulate growth of axons and dendrites ([Huang et al. 2018](#)).

Storage

This product is shipped at ambient temperature.

Prior to reconstitution store at -20°C.

After reconstitution store at -20°C.

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.

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/AHP2812Z>
10294

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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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
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