

Datasheet: AHP2812Z

BATCH NUMBER 156486

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 Concentrations	IgG concentration 1.0 mg/ml after reconstitution
Immunogen	<i>E. coli</i> derived recombinant human beta-NGF
External Database Links	<p>UniProt: P01138 Related reagents</p> <p>Entrez Gene: 4803 NGF Related reagents</p>
Synonyms	NGFB
Specificity	<p>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).</p> <p>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).</p>
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/AHP2812Z10294
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (STAR35...)	RPE
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®680 , DyLight®800

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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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