Rabbit antibody to beta NGF: affinity purified

Catalogue No.:	R-174-20
Description:	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. FUNCTION: Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. It stimulates division and differentiation of sympathetic and embryonic sensory neurons. SUBUNIT: Homodimer, associated by noncovalent forces. SUBCELLULAR LOCATION: Secreted protein. SIMILARITY: Belongs to the NGF-beta family.
Replaced by:	R-093-500 IgG
Batch No.:	See product label
Unit size:	20 µg
Antigen:	Native mouse beta NGF purified from submaxillary salivary gland (95% purity by PAGE)
Other Names:	Beta-nerve growth factor; Ngfb
Accession:	NGF_MOUSE
Produced in:	Rabbit
Purity:	Affinity purified
Applications:	IHC, 1-site ELISA, WB, immunoblot, inhibition of biological activity. A concentration of 1-3 µg/ml is recommended for IHC, western blot and immunoblot, ELISA, inhibition of biological activity in vitro. Use neat for in vivo studies at 2-10 µg/ml (ED50). This antiserum completely inhibits neuronal survival and the outgrowth actions of murine NGF in chicken DRG in vitro. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	A cross reactivity of less than 1% to recombinant human BDNF, NT3, NT4/5 by ELISA has been shown.
Cross-reactivity:	This antiserum is known to cross react with mouse, rat, human and avian NGF but not bovine NGF.
Form:	Lyophilised
Reconstitution:	Reconstitute in 20 µl of sterile water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution keep aliquots at -20ºC for a higher stability, and at 4ºC with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles. Glycerol (1:1) may be added for an additional stability.
Expiry Date:	12 months after purchase
Specific References:	1. Zhang H.T. et al (2008) Temporal changes in the level of neurotrophins in the spinal cord and associated precentral gyrus following spinal hemisection in adult Rhesus monkeys J Chem Neuroanat. 2008 Dec;36(3-4):138-43. 2. Zhang H.T. et al (2007) Immunohistochemical distribution of NGF, BDNF, NT-3, and NT-4 in adult rhesus monkey brain J Histochem Cytochem. 2007 Jan;55(1):1-19.
References:	1. Ebendal, T. et al (1989) J Neurosci Res 22, 223-240. 2. Zhou, X. F. et al (1994) J Neurosci Methods 54, 95-102.

FOR RESEARCH USE ONLY

51 West Thebarton Road • Thebarton • South Australia 5031
Telephone + 61(0)8 8352 7711 • Email sales@biosensis.com • www.biosensis.com

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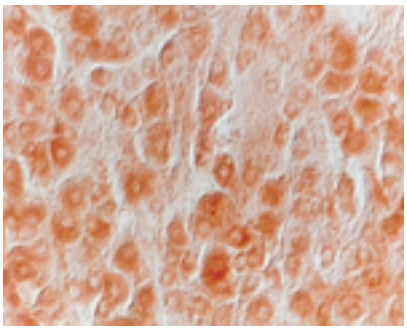
3. Angeletti, P. U. et al (1968) Adv Enzymol Relat Areas Mol Biol 31, 51-75.
4. Hesse K. et al. (1997) Neurosci Lett. Aug 8;231(2):83-6.
5. Miao J et al. (2012) Neurosci Res. Dec;74(3-4):269-76.



Immunohistochemical staining of nerve growth factor (NGF) in rat cervical ganglion using rabbit polyclonal to native mouse NGF, catalogue number R-174-20.

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