

Sheep antibody to beta NGF: IgG

Catalogue No.:	S-052-500
Description:	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.
Batch No.:	See product label
Unit size:	500 ug
Antigen:	Native mouse beta NGF purified from submaxillary salivary gland (95% purity by PAGE)
Other Names:	Beta-nerve growth factor
Accession:	NGF_MOUSE
Produced in:	Sheep
Purity:	Protein G purified IgG
Applications:	IHC, 1-site ELISA, WB, immunoblot, inhibition of biological activity. A concentration of 1-3 ug/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 ug/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 500 uL of sterile water. Centrifuge to remove any insoluble material.
Storage:	Maintain lyophilized material at 2-8degC or -20degC for up to 12 months after date of receipt. After reconstitution keep aliquots at -20degC for up to six months for a higher stability, and at 2-8degC with an appropriate antibacterial agent for up to one week. Avoid repetitive freeze/thaw cycles. Glycerol (1:1) may be added for an additional stability.
Expiry Date:	12 months after purchase (lyophilized)
Specific References:	Feron F et al (2008) Neurotrophin expression in the adult olfactory epithelium. Brain Res. 1196:13-21 Application: IHC; Species: Rat
General 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. 3. Angeletti, P. U. et al (1968) Adv Enzymol Relat Areas Mol Biol 31, 51-75.

FOR RESEARCH USE ONLY

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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.

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