



Sheep antibody to NT3: whole serum

Catalogue No.:	S-053-100
Description:	NT3 is a member of the neurotrophin family, that controls survival and differentiation of visceral and proprioceptive sensory neurons. NT3 is closely related to both NGF and BDNF. It may be involved in the maintenance of the adult nervous system, and may affect development of neurons in the embryo when it is expressed in human placenta. NT3-deficient mice generated by gene targeting display severe movement defects of the limbs. The mature peptide of this protein is identical in all mammals examined including human, pig, rat and mouse. SUBCELLULAR LOCATION: Secreted protein. TISSUE SPECIFICITY: Brain and peripheral tissues. SIMILARITY: Belongs to the NGF-beta family.
Batch No.:	See product label
Unit size:	100 uL
Antigen:	A synthetic peptide (YAEHKSHRGEY) as part of human, mouse and rat NT3 protein conjugated to BSA has been used as the immunogen.
Other Names:	Neurotrophin-3; Neurotrophic factor; HDNF; Nerve growth factor 2; NGF-2; Ntf3; Ntf-3
Accession:	NT3_HUMAN NT3_MOUSE NT3_RAT
Produced in:	Sheep
Purity:	Whole serum
Applications:	IHC, ELISA, WB, inhibition of biological activity. A dilution of 1:500 to 1:2000 is recommended for IHC, western blot. For inhibition of biological activity: 1:10-50 for in vitro, 5-10 uL/g body weight for in vivo. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	A cross reactivity of less than 0.1% to mouse NGF, recombinant human BDNF and NT4/5 has been shown by dot blot.
Cross-reactivity:	This antiserum is known to react with rat, chicken and human NT3.
Form:	Lyophilised
Reconstitution:	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution keep aliquots at -20C for a higher stability, and at 2-8C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
Expiry Date:	12 months after purchase
References:	1. Zouh et al. (1996) Mol. Neurobio. 13(3): 185-97 2. Rush et al. (1997) Clin. Exp. Pharmacol. 24: 549-55 3. Tafreshi et al. (1998) Neurosci. 83(2): 373-80

FOR RESEARCH USE ONLY



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