

ARG56783 anti-beta NGF antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes beta NGF
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	beta NGF
Species	Human
Immunogen	E. coli derived Recombinant Human beta NGF. (SSSHPIFHRRG EFSVCDSVSV WVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD PNPVDSGCRG IDSKHWNSYC TTTHTFVKAL TMDGKQAAWR FIRIDTACVC VLSRKAVRRA)
Conjugation	Biotin
Alternate Names	HSAN5; Beta-nerve growth factor; Beta-NGF; NGFB

Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56673 as a capture antibody
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 4803 Human](#)

[Swiss-port # P01138 Human](#)

Gene Symbol

NGF

Gene Full Name

nerve growth factor (beta polypeptide)

Background

This gene is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth stimulating activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and certain sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic rhinitis. [provided by RefSeq, Jul 2008]

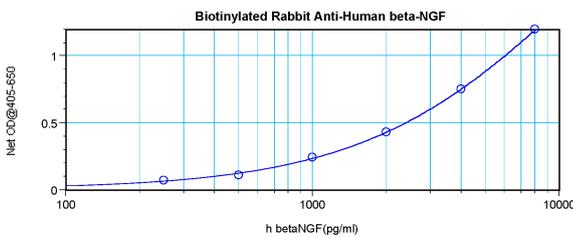
Function

Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. Extracellular ligand for the NTRK1 and NGFR receptors, activates cellular signaling cascades through those receptor tyrosine kinase to regulate neuronal proliferation, differentiation and survival. Inhibits metalloproteinase dependent proteolysis of platelet glycoprotein VI. [UniProt]

Calculated Mw

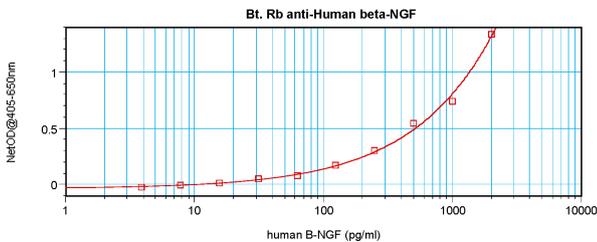
27 kDa

Images



ARG56783 anti-beta NGF antibody (Biotin) standard curve image

Direct ELISA: ARG56783 anti-beta NGF antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density.



ARG56783 anti-beta NGF antibody (Biotin) standard curve image

Sandwich ELISA: ARG56783 anti-beta NGF antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with ARG56673 anti-beta NGF antibody as a capture antibody. Results of a typical standard run with optical density.