

ARG56673 anti-beta NGF antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes beta NGF
Tested Reactivity	Hu, Ms
Tested Application	ELISA, IHC-P, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	beta NGF
Species	Human
Immunogen	E.coli derived Recombinant Human beta NGF. (SSSHPIFHRG EFSVCDSVS VVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD PNPVDSGCRG IDSKHWNSYC TTHTFVKAL TMDGKQAAWR FIRIDTACVC VLSRKAVRRA)
Conjugation	Un-conjugated
Alternate Names	HSAN5; Beta-nerve growth factor; Beta-NGF; NGFB

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56783 as a detection antibody
	IHC-P	0.5 µg/ml
	Neut	0.05 - 0.08 µg/ml (To yield [ND50] of the biological activity of Human β - NGF (1 ng/ml))
	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.	

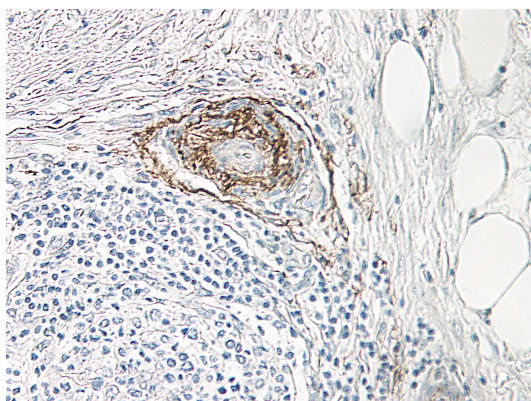
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

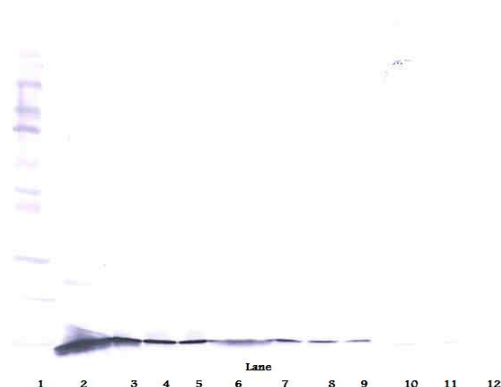
Database links	GeneID: 18049 Mouse
	GeneID: 4803 Human
	Swiss-port # P01138 Human
	Swiss-port # P01139 Mouse
Gene Symbol	NGF
Gene Full Name	nerve growth factor (beta polypeptide)
Background	This gene is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated 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



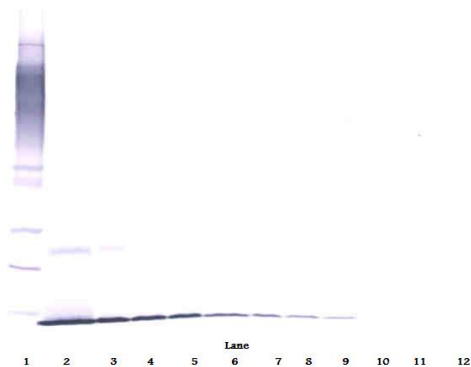
ARG56673 anti-beta NGF antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human pancreas adenocarcinoma. The recommended ARG56673 anti-beta NGF antibody concentration is 0.5 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen.



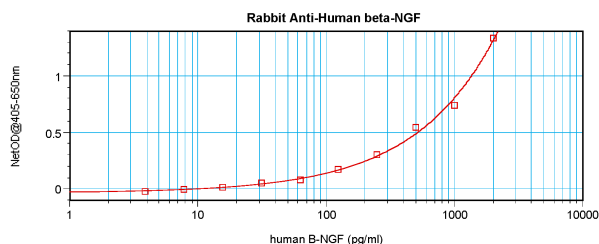
ARG56673 anti-beta NGF antibody WB image

Western blot: 250 - 0.24 ng of Human beta NGF stained with ARG56673 anti-beta NGF antibody, under reducing conditions.



ARG56673 anti-beta NGF antibody WB image

Western blot: 250 - 0.24 ng of Human beta NGF stained with ARG56673 anti-beta NGF antibody, under non-reducing conditions.



ARG56673 anti-beta NGF antibody standard curve image

Sandwich ELISA: ARG56673 anti-beta NGF antibody as a capture antibody at 0.5 - 2.0 $\mu\text{g/ml}$ combined with ARG56783 anti-beta NGF antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.