



Product Information Sheet

Polyclonal Anti-Nerve growth factor beta, *NGF beta*

Catalogue No. PA1056

Lot No. 09G01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

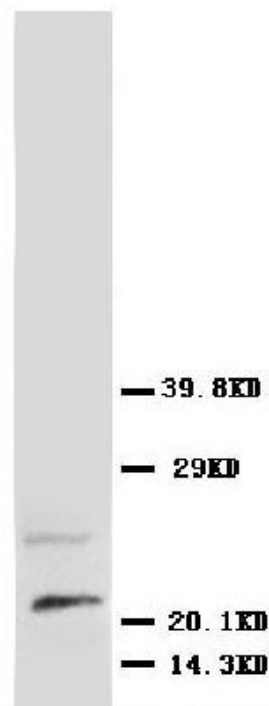
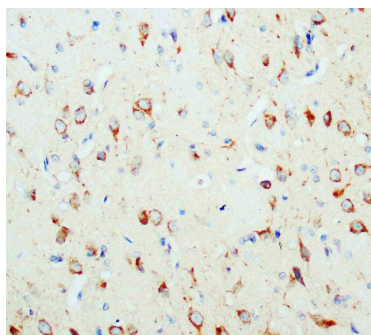
Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)



Immunogen

A peptide mapping at the N-terminal of human NGF beta, different to the related rat sequence by single amino acid.

Purity

Immunogen affinity purified.

Application

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu, Rat	Ms	-
IHC-P	2µg/ml	Rat	Ms	By Heat
IHC-F	-	-	-	-
ICC	-	-	-	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

BACKGROUND

Nerve growth factor is a polypeptide involved in the regulation of growth and differentiation of sympathetic and certain sensory neurons. the nucleotide sequence of human and mouse beta-NGF are very similar. the beta-subunits of nerve growth factor (NGFB) have been assigned to mouse chromosome 3 and human chromosome 1p22. The human gene for the beta subunit of nerve growth factor is located on the proximal short arm of chromosome 1. A mutation in the nerve growth factor beta gene (NGFB) causes loss of pain perception.

REFERENCE

1. Dracopoli, N. C.; Rose, E.; Whitfield, G. K.; Guidon, P. T.; Bale, S. J.; Chance, P. A.; Kourides, I. A.; Housman, D. E. : Two thyroid hormone regulated genes, the beta-subunits of nerve growth factor (NGFB) and thyroid stimulating hormone (TSHB), are located less than 310 kb apart in both human and mouse genomes. *Genomics* 3: 161-167, 1988.
2. Francke, U.; de Martinville, B.; Coussens, L.; Ullrich, A. : The human gene for the beta subunit of nerve growth factor is located on the proximal short arm of chromosome 1. *Science* 222: 1248-1251, 1983
3. Einarsdottir, E.; Carlsson, A.; Minde, J.; Toolanen, G.; Svensson, O.; Solders, G.; Holmgren, G.; Holmberg, D.; Holmberg, M. : A mutation in the nerve growth factor beta gene (NGFB) causes loss of pain perception. *Hum. Molec. Genet.* 13: 799-805, 2004.