



## Rabbit Anti-NGFB antibody

SL0067R

<b>Product Name:</b>	NGFB
<b>Chinese Name:</b>	神经生长因子β抗体
<b>Alias:</b>	NGF; Beta nerve growth factor; NGF-beta; Beta nerve growth factor precursor; Beta NGF; HSAN5; MGC161426; MGC161428; Nerve growth factor beta; Nerve growth factor beta polypeptide; Nerve growth factor beta subunit; NGF B; NGFB; NID67; NGF beta; NGF-B; NGF_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	13kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human NGF beta:151-220/241
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Subunit:**

Homodimer.

**Subcellular Location:**

Secreted.

**DISEASE:**

Defects in NGF are the cause of hereditary sensory and autonomic neuropathy type 5 (HSAN5) [MIM:608654]. The hereditary sensory and autonomic neuropathies are a genetically and clinically heterogeneous group of disorders characterized by degeneration of dorsal root and autonomic ganglion cells, and by sensory and/or autonomic abnormalities. HSAN5 patients manifest loss of pain perception and impaired temperature sensitivity, ulcers, and in some cases self-mutilation. The autonomic involvement is variable.

**Similarity:**

Belongs to the NGF-beta family.

**SWISS:**

P01138

**Gene ID:**

4803

**Database links:**

[Entrez Gene: 4803](#)Human

[Entrez Gene: 18049](#)Mouse

[Entrez Gene: 310738](#)Rat

[Omin: 162030](#)Human

[SwissProt: P01138](#)Human

[SwissProt: P01139](#)Mouse

[SwissProt: P25427](#)Rat

[Unigene: 2561](#)Human

[Unigene: 1259](#)Mouse

[Unigene: 22168](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

神经生长因子- $\beta$ (NGF-

$\beta$ )属于一种对神经元的生长、分化、延长存活期有促进作用的神经生长因子家族。

此抗体识别分子量为29kDa 的NGF蛋白。

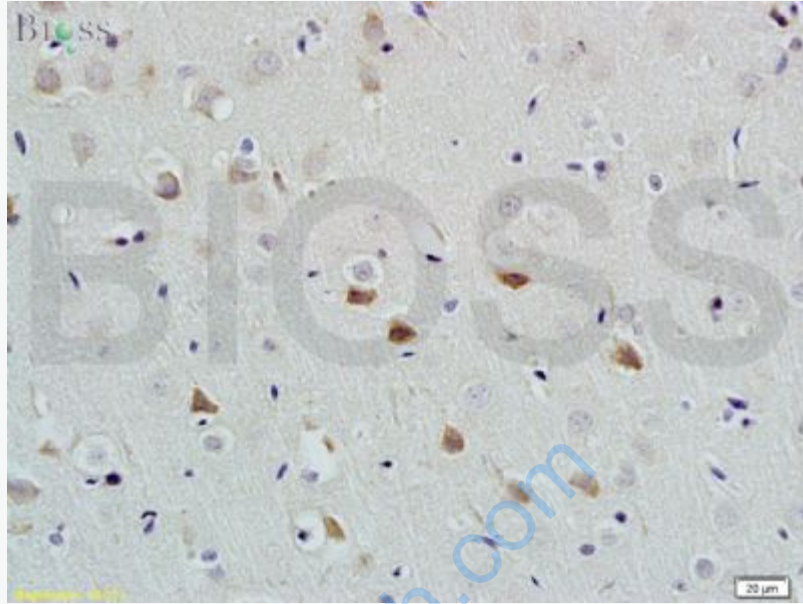
神经生长因子(Nerve Growth

Factor,NGF)是最早被发现、兼有神经元营养和促突触生长双重生物学功能的一种

细胞调节因子.它对中枢和周围神经元的发育、分化、生长、再生和功能特性的表达

均具有重要的调控作用,可促进受损神经再生、免受继发性损害、减少细胞死亡、支

持神经元存活等功能.



**Picture:**

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-NGF-beta Polyclonal Antibody, Unconjugated(SL0067R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining