bs-0067R **[Primary Antibody]**

NGFB Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4803 **SWISS:** P01138

Target: NGFB

Immunogen: KLH conjugated synthetic peptide derived from human NGF beta: 151-220/241.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

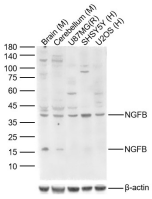
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100)

Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog)

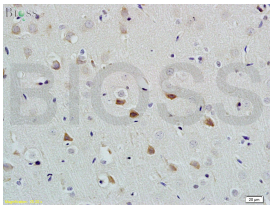
Predicted MW.: 13/32 kDa

Subcellular Location: Secreted

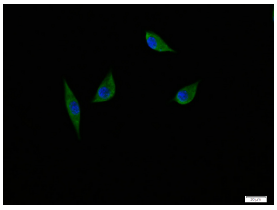
VALIDATION IMAGES



Sample: Lane 1: Mouse Brain Lysates Lane 2: Mouse Cerebellum Lysates Lane 3: Human U-87 MG cell Lysates Lane 4: Human SH-SY5Y cell Lysates Lane 5: Human U-2 OS cell Lysates Primary: Anti-NGFB (bs-0067R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 13/32kDa Observed band size: 13/32kDa



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(bs-0067R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (NGFB) polyclonal Antibody, Unconjugated (bs-0067R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

SELECTED CITATIONS

- **[IF=12.416]** Zhou, Zhen. et al. Metabolism regulator adiponectin prevents cardiac remodeling and ventricular arrhythmias via sympathetic modulation in a myocardial infarction model. BASIC RES CARDIOL. 2022 Dec;117(1):1-17 WB ;Dog. 35819552
- **[IF=11.7]** Kaicheng Xu. et al.Selective promotion of sensory innervation-mediated immunoregulation for tissue repair..Science Advances.2025 Mar 21;11(12):eads9581. Western blot ;Rat. 40117376
- **[IF=4.94]** Li, Hui, et al. "Therapeutic potential of in utero mesenchymal stem cell (MSCs) transplantation in rat foetuses

with spina bifida aperta." Journal of cellular and molecular medicine 16.7 (2012): 1606-1617. IHC ;="Rat". 22004004

- **[IF=4.8]** Zhijie Shen. et al. Renal denervation improves mitochondrial oxidative stress and cardiac hypertrophy through inactivating SP1/BACH1-PACS2 signaling. INT IMMUNOPHARMACOL. 2024 Nov;141:112778 WB ;Rat. 39173402
- **[IF=3.85]** Zhang, Jianhai, et al. "Choline supplementation alleviates fluoride-induced testicular toxicity by restoring the NGF and MEK expression in mice."Toxicology and Applied Pharmacology 310 (2016): 205-214. IHC ;="Mouse". 27664006