

**bs-10806R**

**[ Primary Antibody ]**

## NGFB Rabbit pAb

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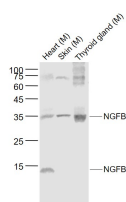
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400-901-9800

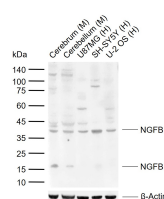
### DATASHEET

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ICC/IF</b> (1:100-500)  <b>Reactivity:</b> Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog)  <b>Predicted MW.:</b> 13/32 kDa  <b>Subcellular Location:</b> Secreted
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 4803	<b>SWISS:</b> P01138	
<b>Target:</b> NGFB		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</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]		

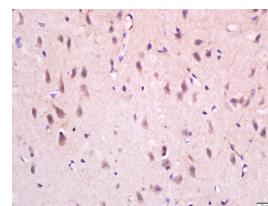
### VALIDATION IMAGES



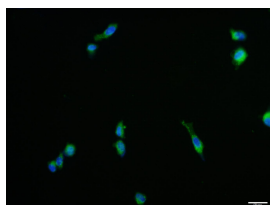
Sample: Lane 1: Heart (Mouse) Lysate at 40 ug  
Lane 2: Skin (Mouse) Lysate at 40 ug Lane 3:  
Thyroid gland (Mouse) Lysate at 40 ug Primary:  
Anti-NGFB (bs-10806R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 32/13 kD  
Observed band size: 35/13 kD



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-10806R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-  
Rabbit IgG at 1/20000 dilution Predicted band  
size: 13/32kDa Observed band size: 16/35kDa



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-NGFB Polyclonal Antibody,  
Unconjugated(bs-10806R) 1:200, overnight at  
4°C, followed by conjugation to the secondary  
antibody(SP-0023) and DAB(C-0010) staining



U87MG 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-10806R) 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

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

## — SELECTED CITATIONS —

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- **[IF=3.9]** Katarzyna Kozłowska. et al. Application of Human Epineural Patch (hEP) as a Novel Strategy for Nerve Protection and Enhancement of Regeneration After Nerve Crush Injury. BIOMEDICINES. 2025 Jul;13(7):1633 IF ;Rat. 40722706
- **[IF=2.9]** Zixiu Liu. et al. NGF Signaling Exacerbates KOA Peripheral Hyperalgesia via the Increased TRPV1-Labeled Synovial Sensory Innervation in KOA Rats. PAIN RES MANAG. 2024;2024:1552594 WB,IF ;Rat. 38410126
- **[IF=2.9]** Maria Siemionow. et al. Protective Effect of the Human Epineural Patch Application after Sciatic Nerve Crush Injury Followed by Nerve Transection and End-to-End Repair..ARCHIVUM IMMUNOLOGIAE ET THERAPIAE EXPERIMENTALIS.2025 Mar 26;73(1). IF ;Rat. 40146977
- **[IF=1.894]** Zhou M et al. Cardiac Sympathetic Afferent Denervation Protects Against Ventricular Arrhythmias by Modulating Cardiac Sympathetic Nerve Activity During Acute Myocardial Infarction.Med Sci Monit. 2019 Mar 16;25:1984-1993. WB ;Dog. 30877783