

## NGFB Rabbit pAb

Catalog Number: bs-10806R

Target Protein: NGFB

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Entrez Gene: 4803

Swiss Prot: P01138

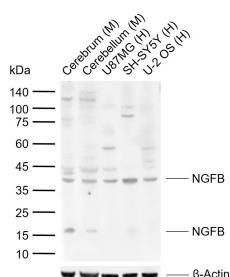
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

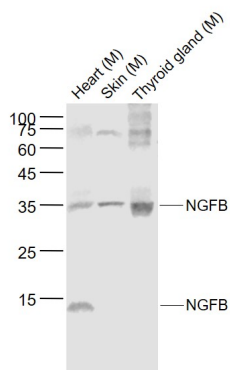
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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]

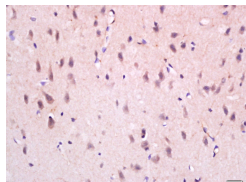
## VALIDATION IMAGES



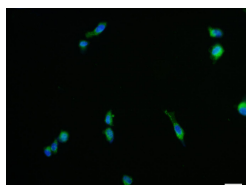
Sample: Lane 1: Mouse Brain Lysates Lane 2: Mouse Cerebellum Lysates Lane 3: Human U-87 MG cell Lysates  
Lane 4: Human SH-SY5Y cell Lysates Lane 5: Human U-2 OS cell Lysates Primary: Anti-NGFB (bs-10806R) at  
1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size:  
13/32kDa Observed band size: 16/35kDa



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



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 nuclei.

## PRODUCT SPECIFIC PUBLICATIONS

[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=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