

## Anti-NGF Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Sheep)
Molecular Weight:	Theoretical: 13/32 kDa. Actual: 13/32 kDa.
Purification:	Protein A purified

### Applications

1. SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (NGFB) polyclonal Antibody, Unconjugated (TMAB-01236) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.

2. 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

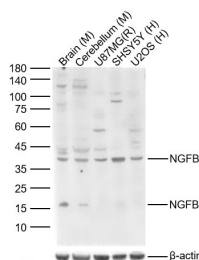
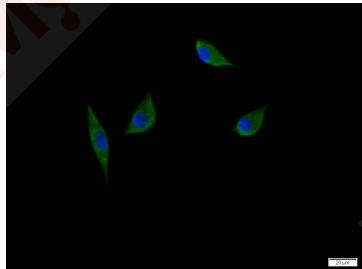
Primary: Anti-NGFB (TMAB-01236) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 13/32 kDa

Observed band size: 13/32 kDa

Verified Activity:



Application: ICC/IF,IF,IHC-Fr,IHC-P,WB

Recommended ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human NGF beta

Antigen Species: Human

Gene ID: 4803

Uniprot ID: P01138

Synonyms: HSAN5;nerve growth factor ( $\beta$  polypeptide);NGFB; $\beta$ -NGF;nerve growth factor (beta polypeptide);Beta-NGF

Biology Area: Neurotrophins,Neuroregeneration

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### Research 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]

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