

RecomAb™

NGF recombinant monoclonal antibody, clone 5F10

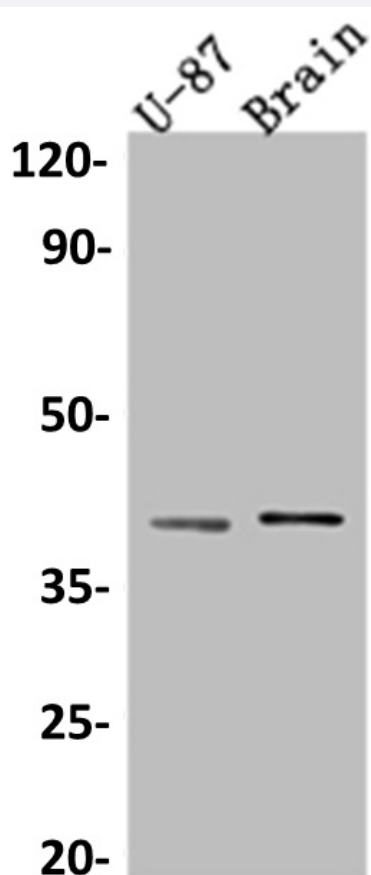
Catalog # RAB07531

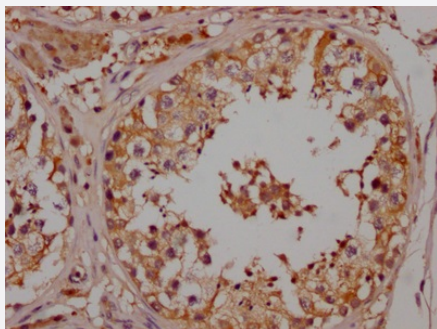
Size 100 uL

Applications

Western Blot

Western blot analysis of U-87 whole cell lysate, Rat Brain whole cell lysate with NGF recombinant monoclonal antibody, clone 5F10 (Cat # RAB07531).





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human testis tissue using NGF recombinant monoclonal antibody, clone 5F10 (Cat # RAB07531) on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human NGF.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human NGF.
Theoretical MW (kDa)	Calculated MW: 27
Reactivity	Human, Rat
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — NGF

Entrez GeneID [4803](#)

Protein Accession# [P01138](#)

Gene Name NGF

Gene Alias Beta-NGF, HSN5, MGC161426, MGC161428, NGFB

Gene Description nerve growth factor (beta polypeptide)

Omim ID [162030 608654](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000013653|beta-nerve growth factor|nerve growth factor, beta polypeptide|nerve growth factor, beta subunit

Pathway

- [Apoptosis](#)

- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Anxiety Disorders](#)
- [Asperger Syndrome](#)
- [Asthma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bronchiolitis](#)
- [Dermatitis](#)
- [Disease Models](#)
- [Eating Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Hereditary Sensory and Autonomic Neuropathies](#)
- [Infant](#)
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