

Product Datasheet

NGF Antibody

Catalog No: CY5217

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF



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Information

UniProt ID: P01138

All Names: NGF;Beta-NGF;HSAN5;MGC161426;MGC161428;NGFB;proNGF;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 27 kDa

Application

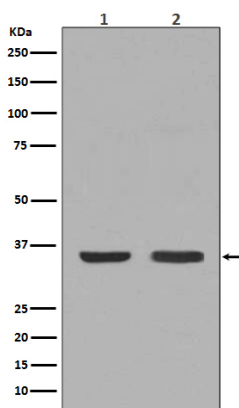
WB: 1:500~1:2000

IHC: 1:50~1:200

ICC/IF: 1:50~1:200

Background

Nerve growth factor (NGF) is a small, secreted protein and member of the neurotrophin family of growth factors that promote neuronal cell survival and differentiation. Producing cells release NGF that bind and activate TrkA high affinity receptors to mediate NGF-driven signaling. NGF also binds to a low affinity p75 (NTR) receptors, which belong to the death receptor family. Although NGF has been classically described as favoring neuron survival and differentiation, nerve growth factor can promote apoptosis in cells that contain p75 (NTR) and lack TrkA. NGF can induce neuron death in a variety of neurodegenerative conditions, including Alzheimer disease .



Western blot analysis of NGF expression in (1) Mouse thyroid lysate; (2) HeLa cell lysate.

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