

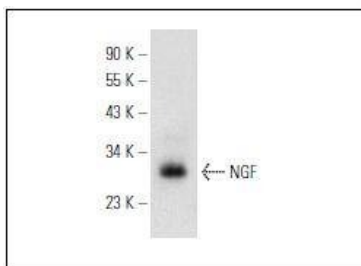
## Anti-NGF Antibody (3Q103)

## Product Details

Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 27 kDa.
Clone:	3Q103
Purification:	ProA affinity purified

## Applications

Verified Activity: 1. Western blot analysis of NGF expression in mouse brain tissue extract.



Application: IF,IP,WB

Recommended WB: 1:100-1000; IP: 1-2 µg per 100-500 µg of total protein(1 ml of cell lysate)

## Properties

Stability & Storage: Store at 2°C-8°C for 12 months, do not freeze.

Shipping: Shipping with blue ice.

## Antigen Details

Immunogen:	Amino acids 122-149 at the N-terminus of mature NGF of human origin
Antigen Species:	Human
Uniprot ID:	P01138

## Research Background

Neurotrophins function to regulate naturally occurring cell death of neurons during development. The prototype neurotrophin is nerve growth factor (NGF), originally discovered in the 1950s as a soluble peptide promoting the survival of, and neurite outgrowth from, sympathetic ganglia. Three additional structurally homologous neurotrophic factors have been identified. These include brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3) and neurotrophin-4 (NT-4) (also designated NT-5). These various neurotrophins stimulate the in vitro survival of distinct, but partially overlapping, populations of neurons. The cell surface receptors through which neurotrophins mediate their activity have been identified. For instance, the Trk A receptor is the preferential receptor for NGF, but also binds NT-3 and NT-4. The Trk B receptor binds both BDNF and NT-4 equally well, and binds NT-3 to a lesser extent, while the Trk C receptor only binds NT-3.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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