

## Anti-NGF Antibody (1J940)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1J940
Purification:	Protein A

## Applications

Verified Activity:	Immunochemical staining of human $\beta$ -NGF in human brain (from 2 donors) with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:100-1:500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human NGF / NGFB protein (TMPY-01010)
Antigen Species:	Human
Synonyms:	nerve growth factor (beta polypeptide);nerve growth factor ( $\beta$ polypeptide);Ngfb

## Research Background

Nerve growth factor (NGF) is important for the development and maintenance of the sympathetic and sensory nervous systems. NGF protein was identified as a large complex consisting of three non-covalently linked subunits,  $\alpha$ ,  $\beta$ , and  $\gamma$ , among which, the  $\beta$  subunit, called  $\beta$ -NGF (beta-NGF), was demonstrated to exhibit the growth-stimulating activity of NGF protein. NGFB/beta-NGF gene is a member of the NGF-beta family and encodes a secreted protein that homodimerizes and is incorporated into a larger complex. NGF protein acts via at least two receptors on the surface of cells (TrkA and p75 receptors) to regulate neuronal survival, promote neurite outgrowth, and up-regulate certain neuronal functions such as mediation of pain and inflammation. Also, previous studies indicated that NGF may also have an important role in the regulation of the immune system.

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