

Anti-NGF Antibody (Internal)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18478**Specification**

Anti-NGF Antibody (Internal) - Product Information

Application	WB, IHC-P
Primary Accession	P01138
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26959

Anti-NGF Antibody (Internal) - Additional Information**Gene ID** 4803

Alias Symbol	NGF
--------------	-----

Other Names
NGF, Beta-nerve growth factor, ProNGF, Beta-NGF, HSN5, NGFB

Target/Specificity
Recognizes endogenous levels of pro-NGF beta protein.

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-NGF Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-NGF Antibody (Internal) - Protein Information**Name** NGF**Synonyms** NGFB

Function
Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems (PubMed:<[a href="http://www.uniprot.org/citations/14976160" target="_blank">14976160](http://www.uniprot.org/citations/14976160), PubMed:<[a href="http://www.uniprot.org/citations/20978020" target="_blank">20978020](http://www.uniprot.org/citations/20978020)). Extracellular ligand for the NTRK1 and NGFR receptors, activates cellular signaling cascades to regulate neuronal proliferation, differentiation and survival (PubMed:<[a href="http://www.uniprot.org/citations/20978020" target="_blank">20978020](http://www.uniprot.org/citations/20978020)) (Probable). The immature NGF precursor (proNGF) functions as a ligand for the heterodimeric receptor formed by SORCS2 and NGFR, and activates cellular signaling cascades that lead to inactivation of RAC1 and/or RAC2, reorganization of the actin cytoskeleton and neuronal growth cone collapse. In contrast to mature NGF, the precursor form (proNGF) promotes neuronal

apoptosis (in vitro) (By similarity). Inhibits metalloproteinase-dependent proteolysis of platelet glycoprotein VI (PubMed:20164177). Binds lysophosphatidylinositol and lysophosphatidylserine between the two chains of the homodimer. The lipid-bound form promotes histamine release from mast cells, contrary to the lipid-free form (By similarity).

Cellular Location

Secreted. Endosome lumen {ECO:0000250|UniProtKB:P01139}. Note=ProNGF is endocytosed after binding to the cell surface receptor formed by SORT1 and NGFR {ECO:0000250|UniProtKB:P01139}

Anti-NGF Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-NGF Antibody (Internal) - Images