

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

---

**Anti-NGF Antibody (Internal) - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P01138</a>
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)</a>, PubMed:<[a href="http://www.uniprot.org/citations/20978020" target="\\_blank">20978020](http://www.uniprot.org/citations/20978020)</a>). 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)</a>) (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:<a href="http://www.uniprot.org/citations/20164177" target="\_blank">20164177</a>). 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**