

NGFB Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53311**Specification**

NGFB Antibody - Product Information

Application	WB
Primary Accession	P01138
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27 KDa
Antigen Region	151-200

NGFB Antibody - Additional Information**Gene ID** 4803**Other Names**

Beta-nerve growth factor, Beta-NGF, NGF, NGFB

Dilution

WB~~ 1:1000

Format

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol

Storage

Store at -20 °C.Stable for 12 months from date of receipt

NGFB Antibody - 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">14976160a href="http://www.uniprot.org/citations/20978020" target="_blank">20978020a href="http://www.uniprot.org/citations/20978020" target="_blank">20978020](http://www.uniprot.org/citations/14976160)

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

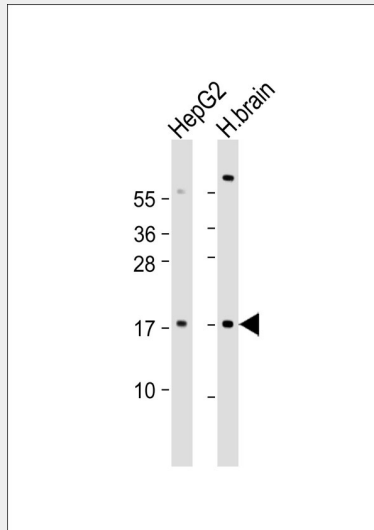
Secreted. Endosome lumen {ECO:0000250|UniProtKB:P01139}. Note=ProNGF is endocytosed after binding to the cell surface receptor formed by SORT1 and NGFR {ECO:0000250|UniProtKB:P01139}

NGFB Antibody - 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](#)

NGFB Antibody - Images



All lanes : Anti-NGFB Antibody at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

NGFB Antibody - Background

Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. Extracellular ligand for the NTRK1 and NGFR receptors, activates cellular signaling cascades through those receptor tyrosine kinase to regulate neuronal proliferation, differentiation and survival.

NGFB Antibody - References

Ullrich A.,et al.Nature 303:821-825(1983).

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Tong Y.,et al.Zhongguo Ying Yong Sheng Li Xue Za Zhi 13:316-318(1997).

Kitano T.,et al.Mol. Biol. Evol. 21:936-944(2004).