

# Product Datasheet

## beta-NGF Antibody (SI79-01)

### NBP2-67406

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-67406**

beta-NGF Antibody (SI79-01)

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	SI79-01
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	TBS (pH7.4), 0.05% BSA, 40% Glycerol

**Product Description**

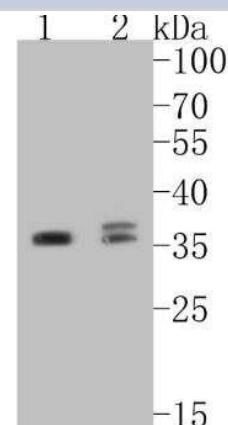
<b>Host</b>	Rabbit
<b>Gene ID</b>	4803
<b>Gene Symbol</b>	NGF
<b>Species</b>	Human, Mouse, Rat, Zebrafish
<b>Immunogen</b>	Synthetic peptide within Human beta-NGF aa 192-241 / 241. (SwissProt: P01138 Human; SwissProt: P01139 Mouse; SwissProt: P25427 Rat)

**Product Application Details**

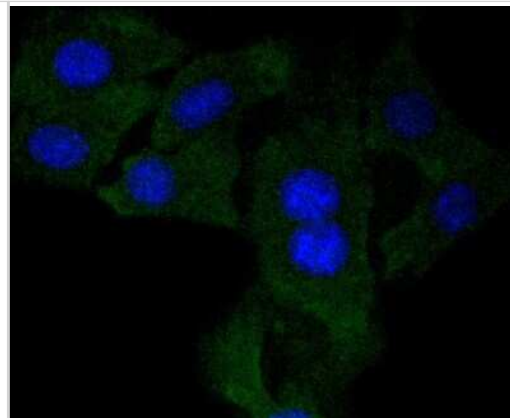
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:100, Immunohistochemistry-Frozen 1:100

**Images**

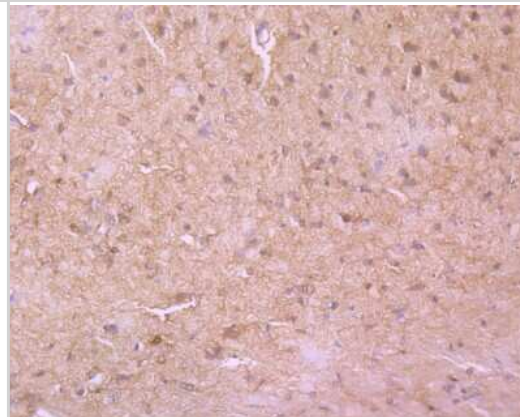
Western Blot: beta-NGF Antibody (SI79-01) [NBP2-67406] - Analysis of NGF on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: Hela cell lysate Lane 2: HL-60 cell lysate



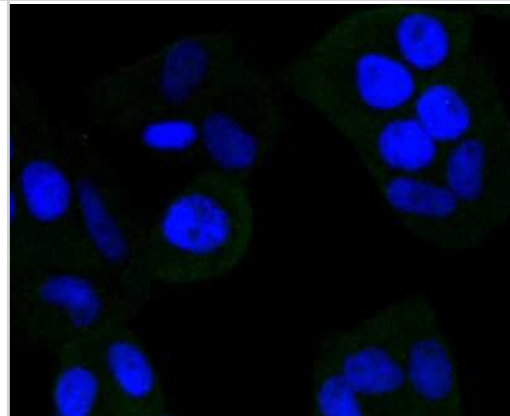
Immunocytochemistry/Immunofluorescence: beta-NGF Antibody (SI79-01) [NBP2-67406] - Staining NGF in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



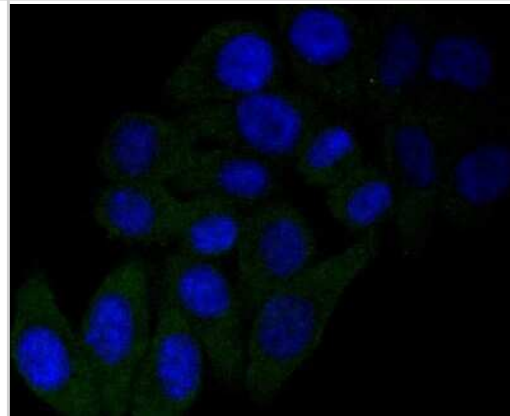
Immunohistochemistry-Paraffin: beta-NGF Antibody (SI79-01) [NBP2-67406] - Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-beta-NGF antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (ET1606-29, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



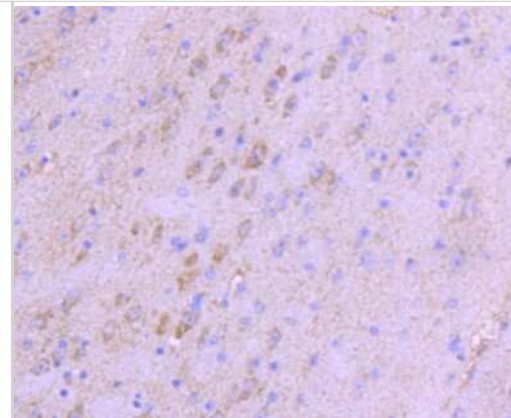
Immunocytochemistry/Immunofluorescence: beta-NGF Antibody (SI79-01) [NBP2-67406] - Staining NGF in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



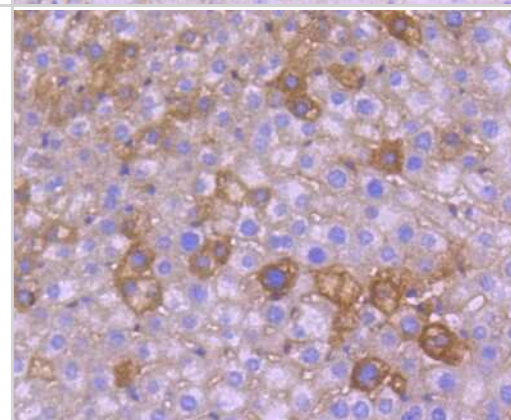
Immunocytochemistry/Immunofluorescence: beta-NGF Antibody (SI79-01) [NBP2-67406] - Staining NGF in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



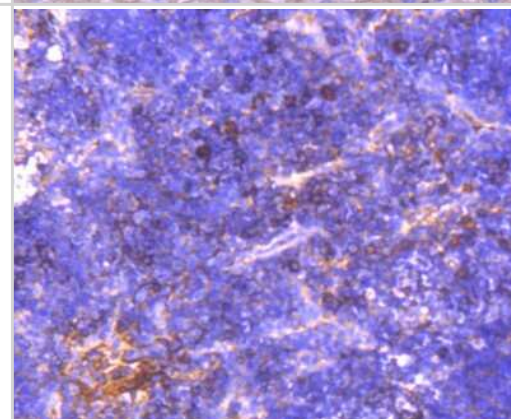
Immunohistochemistry-Paraffin: beta-NGF Antibody (SI79-01) [NBP2-67406] - Analysis of paraffin-embedded mouse brain tissue using anti-NGF antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: beta-NGF Antibody (SI79-01) [NBP2-67406] - Analysis of paraffin-embedded mouse liver tissue using anti-NGF antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: beta-NGF Antibody (SI79-01) [NBP2-67406] - Analysis of paraffin-embedded mouse thymus tissue using anti-NGF antibody. Counter stained with hematoxylin.



## Publications

Yu J, Berga SL, Zou E et al. Neurotrophins and Their Receptors, Novel Therapeutic Targets for Pelvic Pain in Endometriosis, Are Coordinately Regulated by IL-1beta via the JNK Signaling Pathway The American journal of pathology 2023-05-08 [PMID: 37164275] (WB, IHC-P, Human)



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### **Products Related to NBP2-67406**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
236-EG-200	EGF [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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