

## Product datasheet

### Anti-NGF antibody - BSA and Azide free ab6199

★★★★★ [8 Abreviews](#) [84 References](#) [3 Images](#)

#### Overview

<b>Product name</b>	Anti-NGF antibody - BSA and Azide free
<b>Description</b>	Rabbit polyclonal to NGF - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Specificity</b>	Less than 1% cross-reactivity against recombinant human Brain Derived Neurotrophic Factor, Neurotrophin 3 and Neurotrophin 4/5 by ELISA.
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Does not react with:</b> Cow
<b>Immunogen</b>	Full length native protein (purified) corresponding to Mouse NGF. Database link: <a href="#">P01139</a>
<b>General notes</b>	<p>This antibody has been shown to be useful for a variety of techniques and its specificity has been demonstrated by immunoblot.</p> <p>Before storing ab6199 long-term, please follow the aliquot instructions.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7 Constituent: PBS  pH: 7.2-7.6 without preservatives.
<b>Carrier free</b>	Yes

<b>Purity</b>	Protein G purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab6199 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★★★★★ (1)	Use a concentration of 10 µg/ml.
WB	★★★★★ (2)	Use a concentration of 1 µg/ml.

## Target

### Function

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. Inhibits metalloproteinase dependent proteolysis of platelet glycoprotein VI (PubMed:20164177).

### Involvement in disease

Neuropathy, hereditary sensory and autonomic, 5

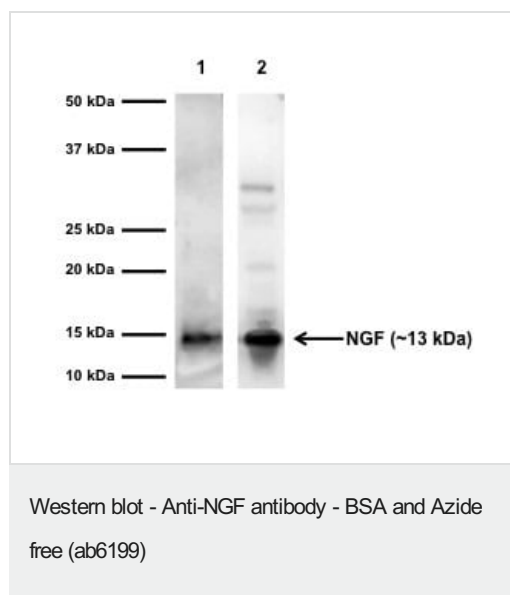
### Sequence similarities

Belongs to the NGF-beta family.

### Cellular localization

Secreted.

## Images

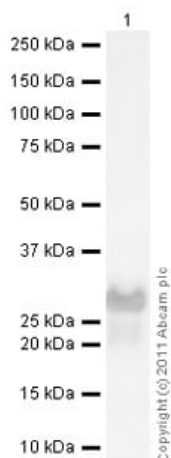


**All lanes :** Anti-NGF antibody - BSA and Azide free (ab6199) at 5 µg/ml

**Lane 1 :** rhNGF protein at 100 µg

**Lane 2 :** Mouse salivary gland tissue lysate at 50 µg

ab6199 detects a strong band at 13 kDa consistent with the expected molecular weight of mature NGF monomer.



Western blot - Anti-NGF antibody - BSA and Azide free (ab6199)

Anti-NGF antibody - BSA and Azide free (ab6199) at 1 µg/ml +  
Active human NGF full length protein (**ab69759**) at 0.1 µg

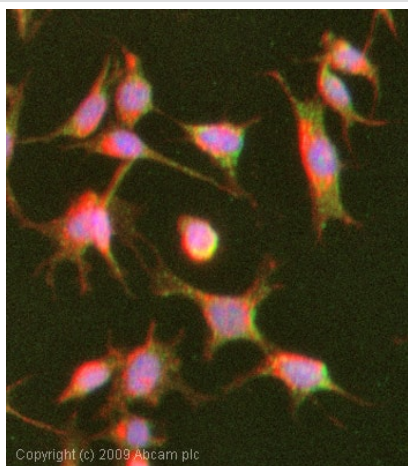
### Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at  
1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Exposure time:** 30 seconds



Immunocytochemistry/ Immunofluorescence - Anti-  
NGF antibody - BSA and Azide free (ab6199)

ICC/IF image of ab6199 stained MEF1 cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab6199, 10µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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