

Anti-NGF/Beta Ngf Rabbit Monoclonal Antibody

Catalog Number: M00341

About NGF

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.

Overview

Product Name	Anti-NGF/Beta Ngf Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NGF/Beta Ngf Rabbit Monoclonal Antibody catalog # M00341. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal BDE-14
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P01138

Technical Details

Immunogen	A synthesized peptide derived from human NGF
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
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Anti-NGF/Beta Ngf Rabbit Monoclonal Antibody (M00341) Images

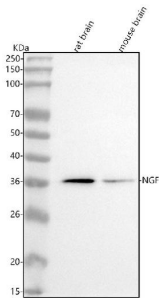


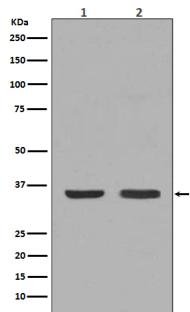
Figure 1. Western blot analysis of NGF using anti-NGF antibody (M00341).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

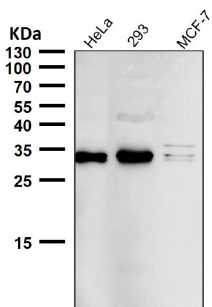
Lane 1: rat brain tissue lysates,

Lane 2: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NGF antigen affinity purified monoclonal antibody (Catalog # M00341) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for NGF at approximately 35 kDa. The expected band size for NGF is at 27 kDa.

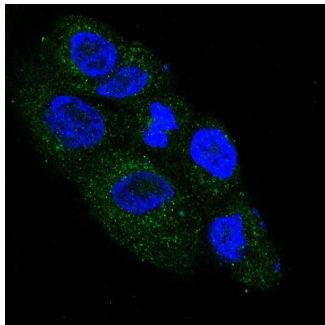
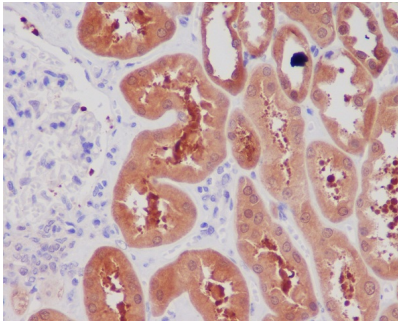


Western blot analysis of NGF expression in (1) Mouse thyroid lysate; (2) HeLa cell lysate.

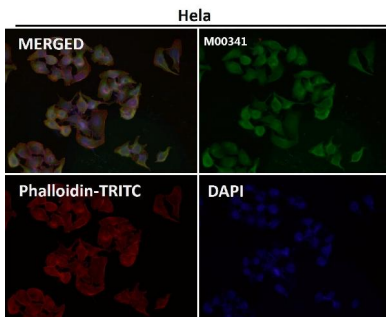


All lanes use the Antibody at 1:500 dilution for 1 hour at room temperature.

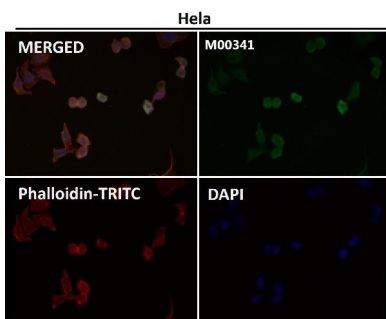
Immunohistochemical analysis of paraffin-embedded human kidney, using NGF Antibody.



Immunofluorescent analysis of SH-SY5Y cells, using NGF Antibody.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.

5 Publications Citing This Product

1. PubMed ID: 23554704, Effects of minocycline on the expression of NGF and HSP70 and its neuroprotection role following intracerebral hemorrhage in rats
2. PubMed ID: 25737696, Transplantation of human umbilical cord blood mesenchymal stem cells to treat a rat model of traumatic brain injury
3. PubMed ID: 21714933, Associations between proinflammatory cytokines in the synovial fluid and radiographic grading and pain-related scores in 47 consecutive patients with osteoarthritis of the knee

Visit bosterbio.com/anti-ngf-rabbit-monoclonal-antibody-m00341-boster.html to see all 5 publications.

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