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Anti-NGF/Beta Ngf Rabbit Monoclonal Antibody

Catalog Number: M00341

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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 stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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

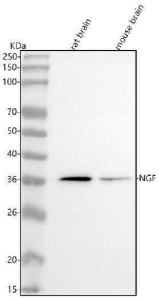
Immunogen	A synthesized peptide derived from human NGF
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000

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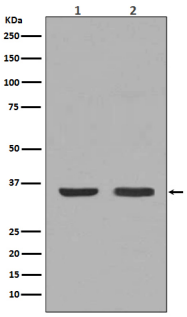
	IHC 1:50-200 ICC/IF 1:50-200

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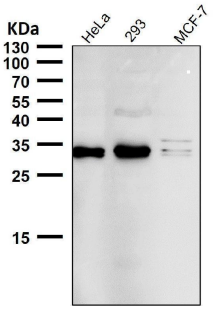
Anti-NGF/Beta Ngf Rabbit Monoclonal Antibody (M00341) Images



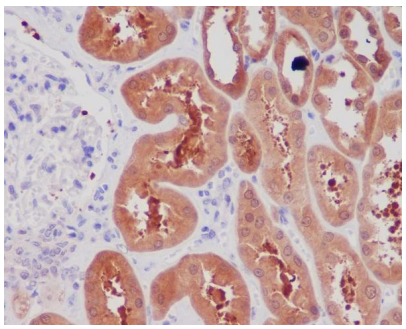
Western blot analysis of NGF using anti-NGF antibody (M00341). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 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.

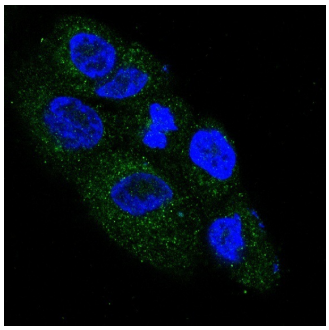


All lanes use the Antibody at 1:500 dilution for 1 hour at room temperature.

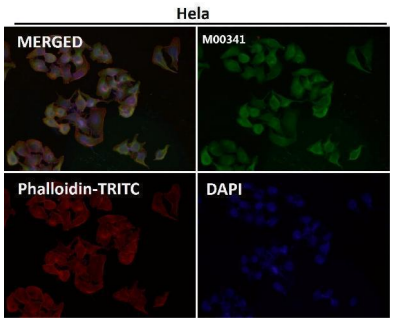


Immunohistochemical analysis of paraffin-embedded human kidney, using NGF Antibody.

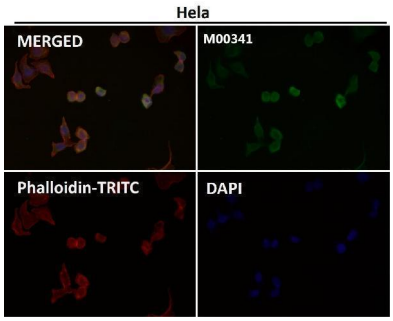
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Immunofluorescent analysis of SH-SY5Y cells, using NGF Antibody.



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: 25806073, Luo Q, Liu W, Chen J, Wang M, Zeng W, Chen Z, Cheng A. Neural Regen Res. 2012 Feb 5;7(4):302-7. Doi: 10.3969/J.Issn.1673-5374.2012.04.011. Nerve Growth Factor And Inducible Nitric Oxide Synthase Expression In The Mesencephalon And Diencephalon, As...

2. PubMed ID: 25187831, Huang S, Zhang X, Xu L, Li Q, Zhao Q. Exp Ther Med. 2014 Oct;8(4):1237-1240. Epub 2014 Jul 21. Expression Of Nerve Growth Factor In The Prostate Of Male Rats In Response To Chronic Stress And Sympathetic Denervation.

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

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