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Anti-c-Jun Rabbit Monoclonal Antibody

Catalog Number: M02038

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Overview

Product Name	Anti-c-Jun Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-c-Jun Rabbit Monoclonal Antibody catalog # M02038. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal CAO-10
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	P05412

Technical Details

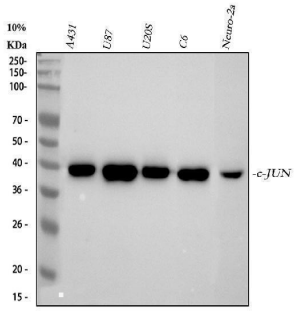
Immunogen	A synthesized peptide derived from human c-Jun
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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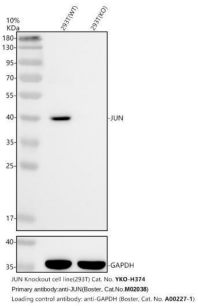
	IHC, 1:50-200 ICC/IF, 1:50-200 IP, 1:20

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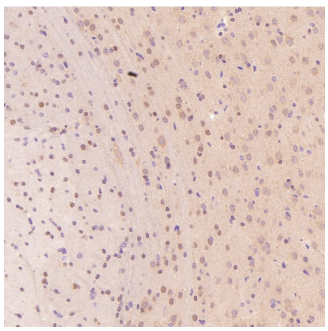
Anti-c-Jun Rabbit Monoclonal Antibody (M02038) Images



Western blot analysis of c-Jun using anti-c-Jun antibody (M02038). 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: human A431 whole cell lysates, Lane 2: human U87 whole cell lysates, Lane 3: human U2OS whole cell lysates, Lane 4: rat C6 whole cell lysates, Lane 5: mouse Neuro-2a whole cell 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-c-Jun antigen affinity purified monoclonal antibody (Catalog # M02038) 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 1:5000 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 c-Jun at approximately 43 kDa. The expected band size for c-Jun is at 36 kDa.

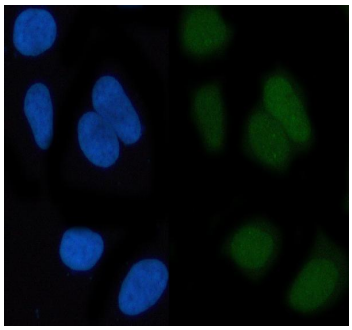


Western blot analysis of c-Jun/JUN using anti-c-Jun/JUN antibody (M02038). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human 293T- WT whole cell lysates, Lane 2: human 293T-JUN KO whole cell 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-c-Jun/JUN antigen affinity purified monoclonal antibody (M02038) 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 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for c-Jun/JUN at approximately 36-48 kDa. The expected band size for c-Jun/JUN is at 36 kDa.

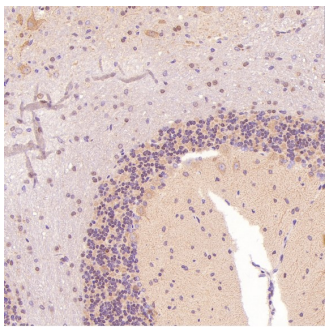


Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex, using the Antibody at 1:500 dilution.

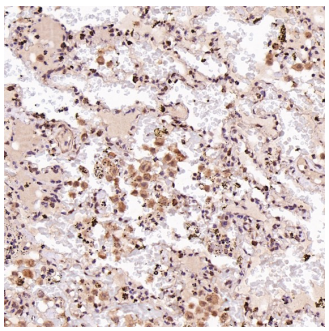
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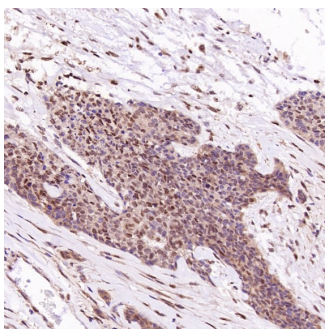
IF analysis of c-Jun using anti-c-Jun antibody (M02038). c-Jun was detected in immunocytochemical section of Hela cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated at 1:50 with rabbit anti-c-Jun Antibody (M02038) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



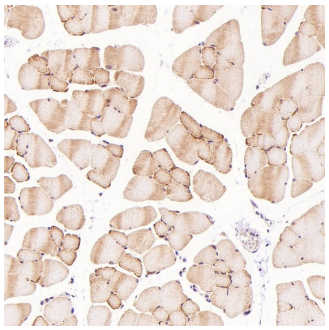
Immunohistochemical analysis of paraffin-embedded Rat cerebellum, using the Antibody at 1:500 dilution.



Immunohistochemical analysis of paraffin-embedded Human squamous carcinoma, using the Antibody at 1:200 dilution.



Immunohistochemical analysis of paraffin-embedded Human breast cancer, using the Antibody at 1:200 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse skeletal muscle - gastrocnemius , using the Antibody at 1:500 dilution.

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4 Publications Citing This Product

1. PubMed ID: 24100343, Yang Y, Qin J, Lan L, Li N, Wang C, He P, Liu F, Ni H, Wang Y. Cancer Biol Ther. 2014 Jan;15(1):99-107. Doi: 10.4161/Cbt.26718. Epub 2013 Oct 22. M-Csf Cooperating With Nf??b Induces Macrophage Transformation From M1 To M2 By Upregulating C-Jun.

2. PubMed ID: 28932249, Zhang C, Chang C, Li D, Zhang F, Xu C. Cell Mol Biol Lett. 2017 Sep 16;22:21. doi: 10.1186/s11658-017-0051-3. eCollection 2017. The novel protein C3orf43 accelerates hepatocyte proliferation

3. PubMed ID: 25206865, Vasopressin decreases neuronal apoptosis during cardiopulmonary resuscitation

Visit bosterbio.com/anti-c-jun-rabbit-monoclonal-antibody-m02038-boster.html to see all 4 publications.

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