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Anti-c-Fos Rabbit Monoclonal Antibody

Catalog Number: M00297

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Overview

Product Name	Anti-c-Fos Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-c-Fos Rabbit Monoclonal Antibody catalog # M00297. Tested in WB, IHC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, WB
Clonality	Monoclonal IIO-6
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	P01100

Technical Details

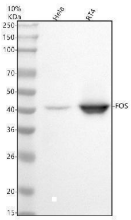
Immunogen	A synthesized peptide derived from human c-Fos
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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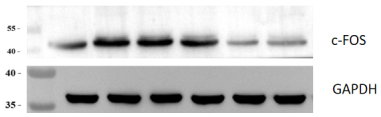
	IHC, 1:50-200 IF 1:50-200

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Anti-c-Fos Rabbit Monoclonal Antibody (M00297) Images



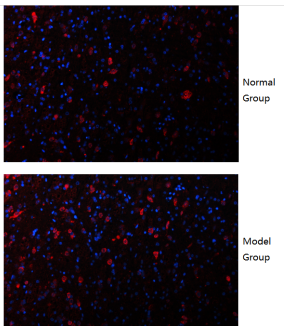
Western blot analysis of FOS using anti-FOS antibody (M00297). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human RT4 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-FOS antigen affinity purified monoclonal antibody (M00297) 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 FOS at approximately 41 kDa. The expected band size for FOS is at 41 kDa.



Western blot analysis of FOS using anti-FOS antibody (M00297). 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: mouse hippocampus tissue lysates, Lane 2: mouse Alzheimer's disease tissue lysates, Lane 3-5: mouse Alzheimer's disease hippocampi treated with increasing doses of Qianlenta herbal formula tissue lysates, Lane 6:mouse Alzheimer's disease hippocampi treated with positive control drug.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-FOS antigen affinity purified monoclonal antibody (M00297) at 1:2000 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 1:10000 for 1 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with ChemiDoc MP system. A specific band was detected for FOS at approximately 41 kDa. The expected band size for FOS is at 41 kDa.

IF analysis of c-Fos using anti-c-Fos antibody (M00297). c-Fos was detected in an immunocytochemical section of mouse brain tissue. 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 with 1:200 rabbit anti-c-Fos Antibody (M00297) overnight at 4°C. DyLight®594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 45 minutes at 37°C. The section

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was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

6 Publications Citing This Product

1. PubMed ID: 26491460, The Expression Patterns of c-Fos and c-Jun Induced by Different Frequencies of Electroacupuncture in the Brain

2. PubMed ID: 27297132, miR-144 and targets, c-fos and cyclooxygenase-2 (COX2), modulate synthesis of PGE2 in the amnion during pregnancy and labor

3. PubMed ID: 27429635, Analgesic Neural Circuits Are Activated by Electroacupuncture at Two Sets of Acupoints

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