

Anti-C-FOS Antibody

Catalog Number: M00297-4

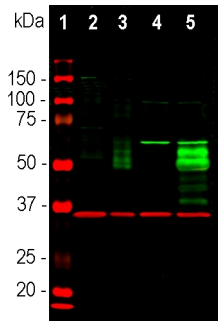
Overview

Product Name	Anti-C-FOS Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-C-FOS Antibody catalog # M00297-4. Tested in IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN ₃
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

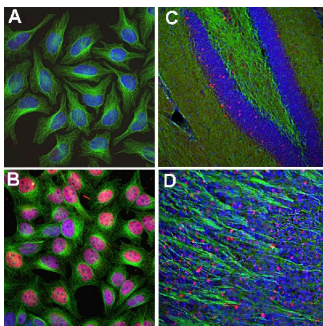
Technical Details

Immunogen	Full length recombinant human protein expressed in and purified from E. coli.
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:2,000 IF/ICC: 1:2,000 IHC: 1:5,000-10,000</p>

Anti-C-FOS Antibody (M00297-4) Images



Western blot analysis of cell lysates using rabbit pAb to c-FOS, M00297-4, dilution 1:2,000, in green, and mouse mAb to GAPDH, dilution 1:5,000, in red, used as a loading control. [1] protein standard (red), [2] HeLa cells grown in FBS free media, [3] HeLa cells stimulated with 20% FBS for 2 hours after being in FBS free media for 36 hours, [4] rat cortical neurons, [5] rat cortical neurons treated with membrane depolarization buffer for 5 hours. Multiple bands at 50-65 kDa in stimulated or treated cell lysates, correspond to different isoforms of the c-FOS protein.



Immunofluorescent analysis of HeLa cells stained with rabbit pAb to c-FOS, M00297-4, dilution 1:2,000 in red, and mouse mAb to tubulin, dilution 1:10,000, in green. The blue is DAPI staining of nuclear DNA. HeLa cells were kept in fetal bovine serum (FBS) - free media for 36 hours. Then the cells were treated with PBS (A), as a control, or stimulated with 20% FBS (B) for 30 min. c-FOS antibody labels only the nuclei of stimulated cells. Mouse hippocampus (C) or olfactory bulb sections (D) stained with M00297-4, dilution 1:10,000 in red, and mouse mAb to NF-L, dilution 1:5,000, in green. The blue is DAPI staining of nuclear DNA. Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45M, and free-floating sections were stained with above antibodies. The c-FOS antibody stains only nuclei of spontaneously active neurons. NF-L is expressed in axons of neuronal cells.

6 Publications Citing This Product

1. PubMed ID: 10.3109/15569543.2013.867884, Neurotoxic effect of chronic heroin administration on the expression of c-Fos and Bax and glial cells in rat prefrontal cortex
2. PubMed ID: 27429635, Analgesic Neural Circuits Are Activated by Electroacupuncture at Two Sets of Acupoints
3. PubMed ID: 26491460, The Expression Patterns of c-Fos and c-Jun Induced by Different Frequencies of Electroacupuncture in the Brain

Visit bosterbio.com/anti-c-fos-antibody-m00297-4-boster.html to see all 6 publications.

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