

Anti-Fos B Rabbit Monoclonal Antibody

Catalog Number: M01569

About FOSB

Furin is likely to represent the ubiquitous endoprotease activity within constitutive secretory pathways and capable of cleavage at the RX (K/R) R consensus motif.

Overview

Product Name	Anti-Fos B Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Fos B Rabbit Monoclonal Antibody catalog # M01569. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal DFO-6
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	P53539

Technical Details

Immunogen	A synthesized peptide derived from human Fos B
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
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 1:500-1:2000</p>

	IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:20
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Anti-Fos B Rabbit Monoclonal Antibody (M01569) Images

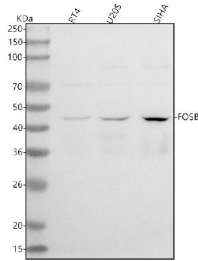


Figure 1. Western blot analysis of Fos B using anti-Fos B antibody (M01569).

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 RT4 whole cell lysates,

Lane 2: human U20S whole cell lysates,

Lane 3: human SIHA 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 B antigen affinity purified monoclonal antibody (Catalog

M01569) 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

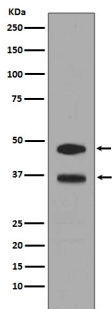
dilution of 1:5000 for 1.5 hour at RT. The signal is developed

using an Enhanced Chemiluminescent detection (ECL) kit

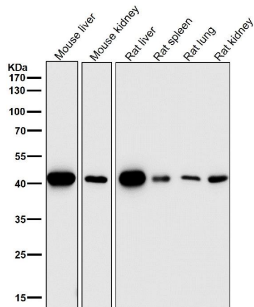
(Catalog # EK1002) with Tanon 5200 system. A specific

band was detected for Fos B at approximately 45 kDa. The

expected band size for Fos B is at 36 kDa.



Western blot analysis of FosB expression in C6 cell lysate treated with serum.



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

Immunohistochemical analysis of paraffin-embedded mouse brain, using Fos B Antibody(M01569)

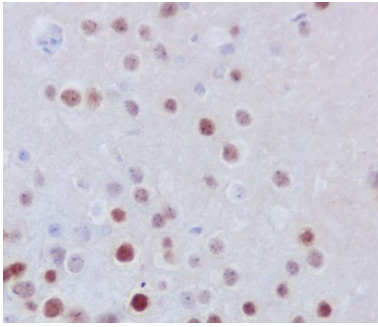
FOSB was detected in paraffin-embedded tissue section.

Heat mediated antigen retrieval was performed in citrate

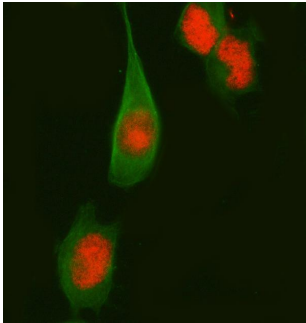
buffer (pH6, epitope retrieval solution) for 20 mins. The

tissue section was blocked with 10% goat serum. The tissue

section was then incubated with 1ug/ml rabbit anti-FOSB



Antibody (M01569) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.



IF analysis of Fos B using anti-Fos B antibody (M01569) and anti-Beta Tubulin antibody (M01857-3). Fos B 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-Fos B Antibody (M01569) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight®488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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