

Product datasheet

Anti-Fos B antibody [83B1138] ab11959

★★★★★ [3 Abreviews](#) [38 References](#) [3 Images](#)

Overview

Product name	Anti-Fos B antibody [83B1138]
Description	Mouse monoclonal [83B1138] to Fos B
Host species	Mouse
Tested applications	Suitable for: IHC-Fr, Flow Cyt, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide corresponding to Human Fos B.
Positive control	HeLa whole-cell extract.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	Affinity purified.
Clonality	Monoclonal
Clone number	83B1138
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab11959 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration.
Flow Cyt		Use 1 µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 46 kDa (predicted molecular weight: 40.6 kDa).

Target

Function

FosB interacts with Jun proteins enhancing their DNA binding activity.

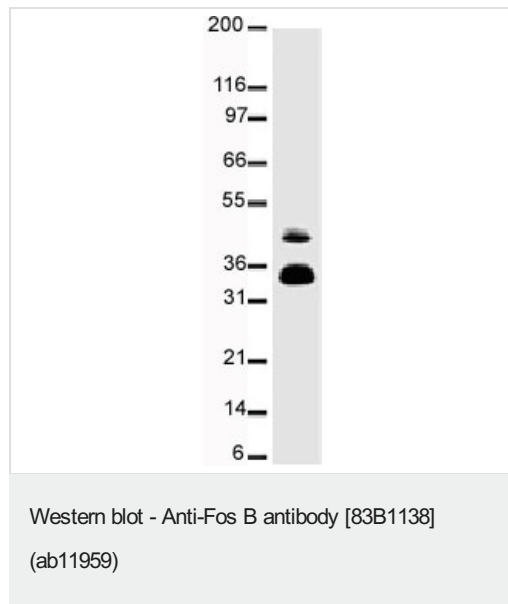
Sequence similarities

Belongs to the bZIP family. Fos subfamily.
Contains 1 bZIP domain.

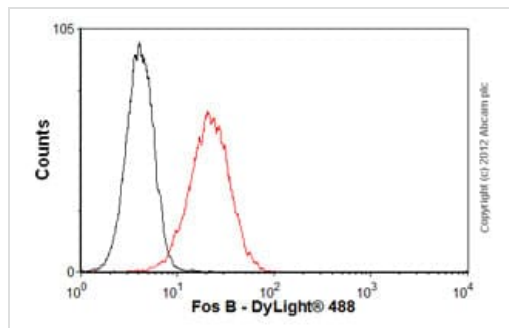
Cellular localization

Nucleus.

Images

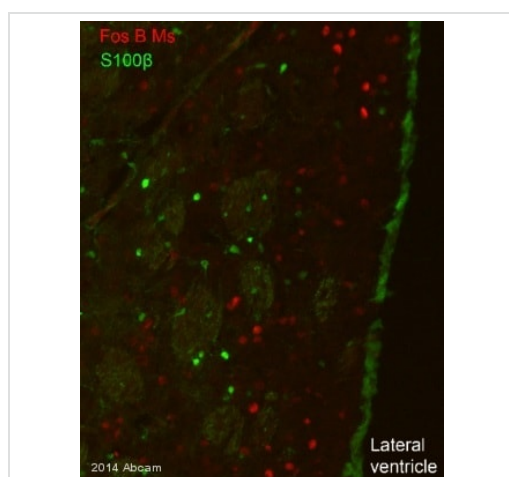


ab11959 staining Human Fos B (upper band) in HeLa whole cell lysate by Western blot (ECL). The lower band is thought to be an isoform of FosB. ab11959 staining Human Fos B (upper band) in HeLa whole cell lysate by Western blot (ECL). The lower band is thought to be an isoform of FosB.



Flow Cytometry - Anti-Fos B antibody [83B1138] (ab11959)

Overlay histogram showing HeLa cells stained with ab11959 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab11959, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.



Immunohistochemistry (Frozen sections) - Anti-Fos B antibody [83B1138] (ab11959)

Image courtesy of Dr. Karine Thibault, Université Paris Descartes, France

ab11959 Fos B antibody immunostaining (red) in mouse brain cortex showing the striatum. Tissue was fixed with paraformaldehyde, before incubation with the antibody (1/3000) for 18 hours at 25°C. A donkey anti-mouse Alexa Fluor® 568 conjugated secondary was used at 1/1000.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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