

## Product datasheet

# Anti-Fos B antibody [83B1138] ab11959

★★★★★ 2 Abreviews 6 References 4 图像

### 概述

产品名称	Anti-Fos B抗体[83B1138]
描述	小鼠单克隆抗体[83B1138] to Fos B
经测试应用	适用于: Flow Cyt, IHC-FoFr, WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	This antibody was raised against a synthetic peptide corresponding to human Fos B.
阳性对照	HeLa whole-cell extract.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: PBS
纯度	Protein G purified
纯化说明	Affinity purified.
克隆	单克隆
克隆编号	83B1138
同种型	IgG1

### 应用

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.

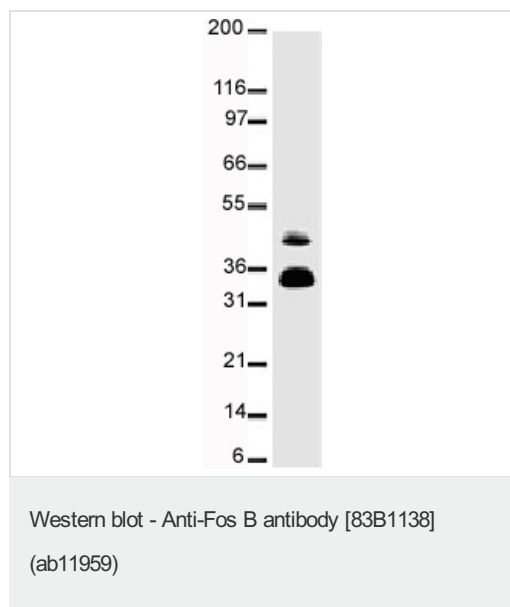
应用	Ab评论	说明
Flow Cyt		Use 1µg for 10 <sup>6</sup> cells. <a href="#">ab170190</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

应用	Ab评论	说明
IHC-FoFr	★★★★★	1/500 - 1/5000. According to the materials and methods by Carlsson et al. (2005) Brain 128:559-569 "the midbrain was fixed in 4% paraformaldehyde (PFA), in 0.1 M phosphate buffer, pH 7.4, for 24h and dehydrated in 25% sucrose and cut on a freezing microtome" therefore fixation was by immersion, not perfusion.
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 46 kDa (predicted molecular weight: 40.6 kDa).

## 靶标

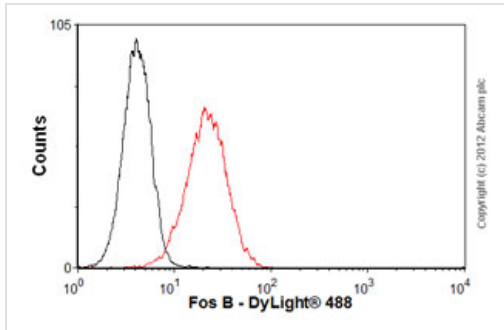
功能	FosB interacts with Jun proteins enhancing their DNA binding activity.
序列相似性	Belongs to the bZIP family. Fos subfamily. Contains 1 bZIP domain.
细胞定位	Nucleus.

## 图片



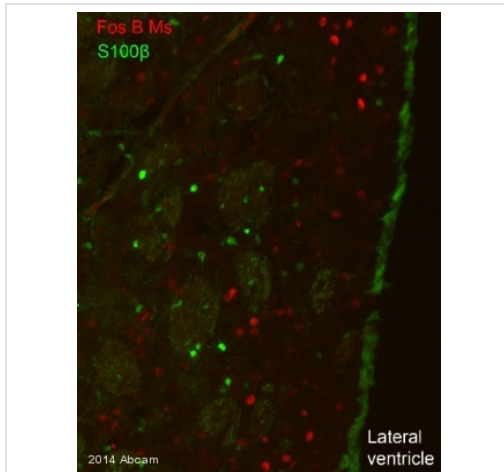
### Predicted band size : 40.6 kDa

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)

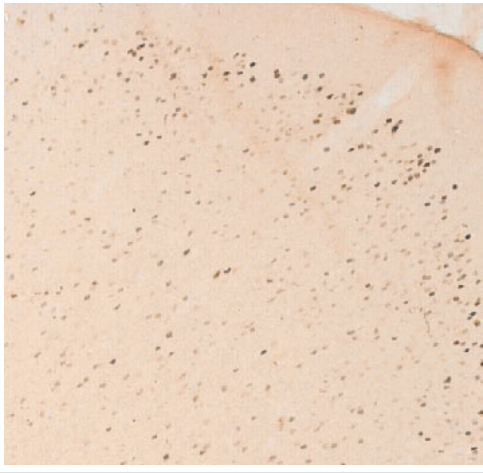
Overlay histogram showing HeLa cells stained with ab11959 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab11959, 1µg/1x10<sup>6</sup> 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 [CIGG1] (ab91353, 2µg/1x10<sup>6</sup> 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.



Immunohistochemistry - Free Floating - Anti-Fos B antibody [83B1138] (ab11959)

ab11959 Fos B antibody (1/1000)  
immunostaining for Fos B in rat brain cortex. Staining was also detected in the striatum as expected (not shown). Rats were treated with high dose amphetamine (5mg/kg) 30 min prior to transcardial perfusion to induce Fos B expression. The staining procedure was performed according to the TH staining in Carlsson et al. (2005) Brain 128:559-569 with the exception that the quenching step was excluded from the staining.

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