

# FOSB Antibody (Center P137)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6940c

## Product Information

---

<b>Application</b>	FC, WB, E
<b>Primary Accession</b>	<a href="#">P53539</a>
<b>Other Accession</b>	<a href="#">P13346</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Calculated MW</b>	35928
<b>Antigen Region</b>	122-149

## Additional Information

---

<b>Gene ID</b>	2354
<b>Other Names</b>	Protein fosB, G0/G1 switch regulatory protein 3, FOSB, G0S3
<b>Target/Specificity</b>	This FOSB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 122-149 amino acids from the Central region of human FOSB.
<b>Dilution</b>	FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	FOSB Antibody (Center P137) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	FOSB
<b>Synonyms</b>	G0S3
<b>Function</b>	Heterodimerizes with proteins of the JUN family to form an AP-1 transcription factor complex, thereby enhancing their DNA binding activity to

gene promoters containing an AP-1 consensus sequence 5'- TGA[GC]TCA-3' and enhancing their transcriptional activity (PubMed:[12618758](#), PubMed:[28981703](#)). As part of the AP-1 complex, facilitates enhancer selection together with cell-type-specific transcription factors by collaboratively binding to nucleosomal enhancers and recruiting the SWI/SNF (BAF) chromatin remodeling complex to establish accessible chromatin (By similarity). Together with JUN, plays a role in activation-induced cell death of T cells by binding to the AP-1 promoter site of FASLG/CD95L, and inducing its transcription in response to activation of the TCR/CD3 signaling pathway (PubMed:[12618758](#)). Exhibits transactivation activity in vitro (By similarity). Involved in the display of nurturing behavior towards newborns (By similarity). May play a role in neurogenesis in the hippocampus and in learning and memory-related tasks by regulating the expression of various genes involved in neurogenesis, depression and epilepsy (By similarity). Implicated in behavioral responses related to morphine reward and spatial memory (By similarity).

#### Cellular Location

Nucleus {ECO:0000250|UniProtKB:P13346}.

#### Tissue Location

[Isoform 11]: Expressed in the nucleus accumbens of the striatum (at protein level).

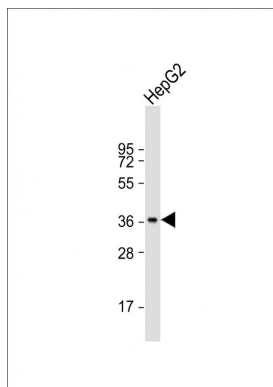
## Background

FosB interacts with Jun proteins enhancing their DNA binding activity.

## References

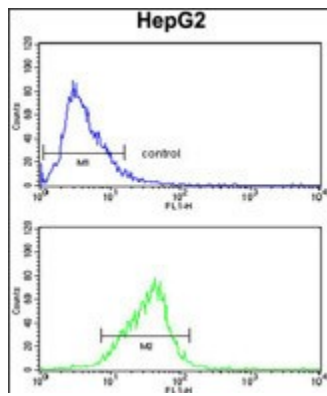
Li,S., et.al., Hepatology 49 (4), 1194-1202 (2009)  
 Starr,J.M., et.al., Mech. Ageing Dev. 129 (12), 745-751 (2008)

## Images



Anti-FOSB Antibody (Center P137) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

FOSB Antibody (Center P137)(Cat.#AP6940c) flow cytometry analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.