

**FOSB Antibody (Center P137)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6940c**

**Specification**

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**FOSB Antibody (Center P137) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">P53539</a>
Other Accession	<a href="#">P13346</a> , <a href="#">D3ZLB7</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	35928
Antigen Region	122-149

**FOSB Antibody (Center P137) - Additional Information**

**Gene ID** 2354

**Other Names**

Protein fosB, G0/G1 switch regulatory protein 3, FOSB, G0S3

**Target/Specificity**

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.

**Dilution**

WB~~1:1000  
FC~~1:10~50

**Format**

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.

**Storage**

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.

**Precautions**

FOSB Antibody (Center P137) is for research use only and not for use in diagnostic or therapeutic procedures.

**FOSB Antibody (Center P137) - Protein Information**

**Name** FOSB

## Synonyms G0S3

**Function** 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

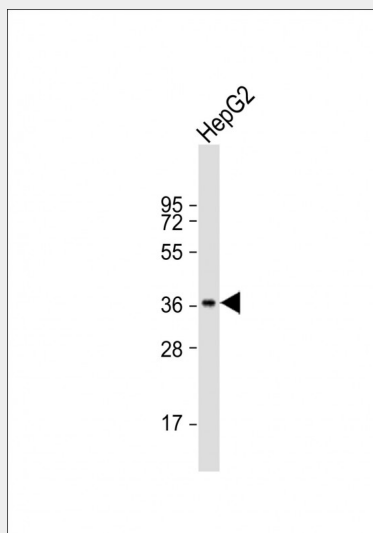
[Isoform 11]: Expressed in the nucleus accumbens of the striatum (at protein level).

## FOSB Antibody (Center P137) - Protocols

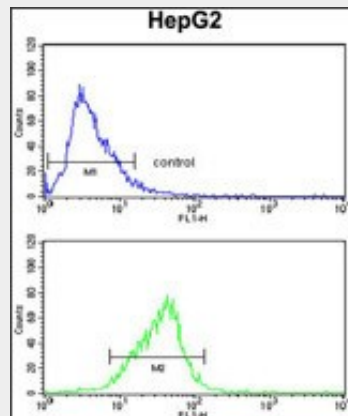
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## FOSB Antibody (Center P137) - 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.

#### **FOSB Antibody (Center P137) - Background**

FosB interacts with Jun proteins enhancing their DNA binding activity.

#### **FOSB Antibody (Center P137) - References**

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