

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

FOSB Antibody (Center P137) - Product Information

Application	WB, FC,E
Primary Accession	P53539
Other Accession	P13346 , D3ZLB7
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.

DilutionWB~~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

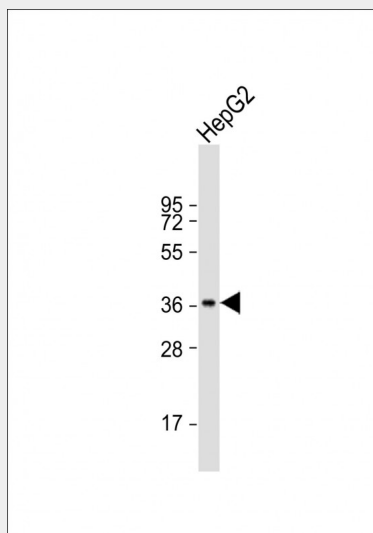
[Isoform 11]: Expressed in the nucleus accumbens of the striatum (at protein level).

FOSB Antibody (Center P137) - Protocols

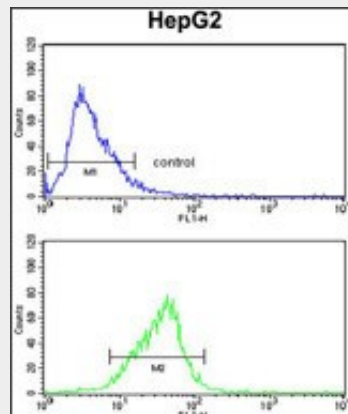
Provided below are standard protocols that you may find useful for product applications.

- [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)