

# Fos B Polyclonal Antibody

Catalog # AP69921

## Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	<a href="#">P53539</a>
Reactivity	Human, Mouse, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35928

## Additional Information

Gene ID	2354
Other Names	FOSB; G0S3; Protein fosB; G0/G1 switch regulatory protein 3
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## 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: <a href="#">12618758</a> , PubMed: <a href="#">28981703</a> ). 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: <a href="#">12618758</a> ). 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).

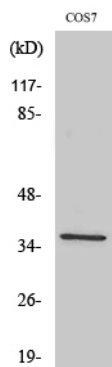
## Background

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FosB interacts with Jun proteins enhancing their DNA binding activity.

## Images

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Western Blot analysis of various cells using Fos B Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

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