

**Fos B Polyclonal Antibody**  
Catalog # AP69921**Specification****Fos B Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P53539</a>
Reactivity	<b>Human, Mouse, Monkey</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**Fos B Polyclonal Antibody - 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.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**Fos B Polyclonal Antibody - 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="http://www.uniprot.org/citations/12618758" target="\_blank">12618758</a>, PubMed:<a href="http://www.uniprot.org/citations/28981703" target="\_blank">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="http://www.uniprot.org/citations/12618758" target="\_blank">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

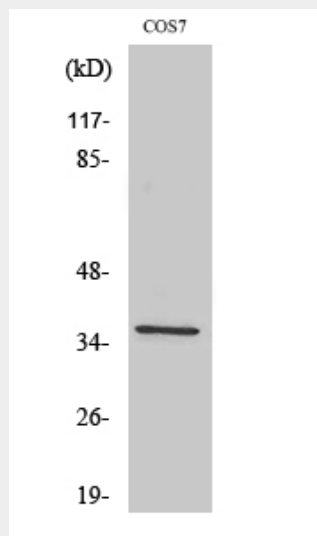
[Isoform 11]: Expressed in the nucleus accumbens of the striatum (at protein level).

### Fos B Polyclonal Antibody - 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](#)

### Fos B Polyclonal Antibody - Images



### Fos B Polyclonal Antibody - Background

FosB interacts with Jun proteins enhancing their DNA binding activity.