

**Fos B Antibody**  
Rabbit mAb  
Catalog # AP90483

## Specification

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### Fos B Antibody - Product Information

Application	WB, IHC, ICC, IP
Primary Accession	<a href="#">P53539</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
G0/G1 switch regulatory protein 3, G0S3, Protein fosB; GOSB; Oncogene FOSB; Activator protein 1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	35928 Da

### Fos B Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Fos B
Description	FosB interacts with Jun proteins enhancing their DNA binding activity. The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### Fos B 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

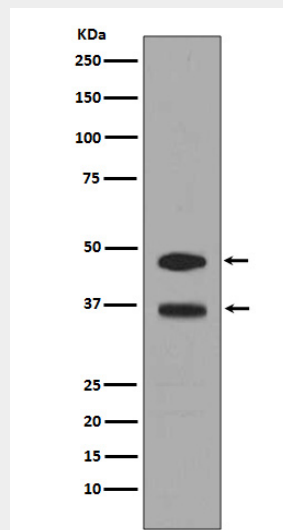
[Isoform 11]: Expressed in the nucleus accumbens of the striatum (at protein level).

### Fos B 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 Antibody - Images



Western blot analysis of FosB expression in C6 cell lysate treated with serum.