

FOSB Antibody (Center P137) Blocking Peptide
Synthetic peptide
Catalog # BP6940c**Specification**

FOSB Antibody (Center P137) Blocking Peptide - Product InformationPrimary Accession [P53539](#)**FOSB Antibody (Center P137) Blocking Peptide - Additional Information****Gene ID** 2354**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6940c](/products/AP6940c) was selected from the Center region of human FOSB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FOSB Antibody (Center P137) Blocking Peptide - 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](http://www.uniprot.org/citations/12618758), PubMed:[28981703](http://www.uniprot.org/citations/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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FOSB Antibody (Center P137) Blocking Peptide - Images**FOSB Antibody (Center P137) Blocking Peptide - Background**

FosB interacts with Jun proteins enhancing their DNA binding activity.

FOSB Antibody (Center P137) Blocking Peptide - References

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