



Rabbit Anti-phospho-Fos B (Ser27) antibody

SL20664R

Product Name:	phospho-Fos B (Ser27)
Chinese Name:	磷酸化癌基因FOS蛋白B抗体
Alias:	Fos B (phospho S27); p-Fos B (phospho S27); p-FosB (phospho S27); FBJ murine osteosarcoma viral oncogene homolog B; FOS B; FOS-B; FBJ osteosarcoma oncogene B; FosB; G0/G1 switch regulatory protein 3; G0S3; GOS3; GOSB; MGC42291; Oncogene FOS B; Protein fosB; fosB; G0/G1 switch regulatory protein 3; G0S3; GOS 3; GOS B; GOSB; Oncogene FOS B; Oncogene FOSB; Protein fos B; DKFZp686C0818; FOSB_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Sheep,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human Fos B around the phosphorylation site of Ser27:QYL(p-S)SV
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

The v-Fos oncogene was initially identified as the transforming gene of two independent murine osteosarcoma virus isolates and an avian nephroblastoma virus. The cellular homolog, c-Fos, encodes a nuclear phosphoprotein that is rapidly and transiently induced by a variety of agents and functions as a transcriptional regulator for several genes. In contrast to c-Jun proteins, which form homo- and heterodimers which bind to specific DNA TPA response elements (TREs), c-Fos proteins are only active as heterodimers with members of the Jun gene family. Murine Fos B encodes a nuclear protein of 338 amino acids which has 70% homology with c-Fos, exhibits similar kinetics of expression as c-Fos and forms heterodimers with both c-Jun and Jun B which bind to TRE DNA response elements. Functional homologs of c-Fos and Fos B include Fra-1 and Fra-2 genes.

Function:

FosB interacts with Jun proteins enhancing their DNA binding activity.

Subunit:

Heterodimer.

Subcellular Location:

Nucleus.

Similarity:

Belongs to the bZIP family. Fos subfamily.
Contains 1 bZIP (basic-leucine zipper) domain.

SWISS:

P53539

Gene ID:

2354

Database links:

[Entrez Gene: 2354](#)Human

[Entrez Gene: 14282](#)Mouse

[Entrez Gene: 100360880](#)Rat

[Omim: 164772](#)Human

[SwissProt: P53539](#)Human

[SwissProt: P13346](#)Mouse

[Unigene: 590958](#)Human

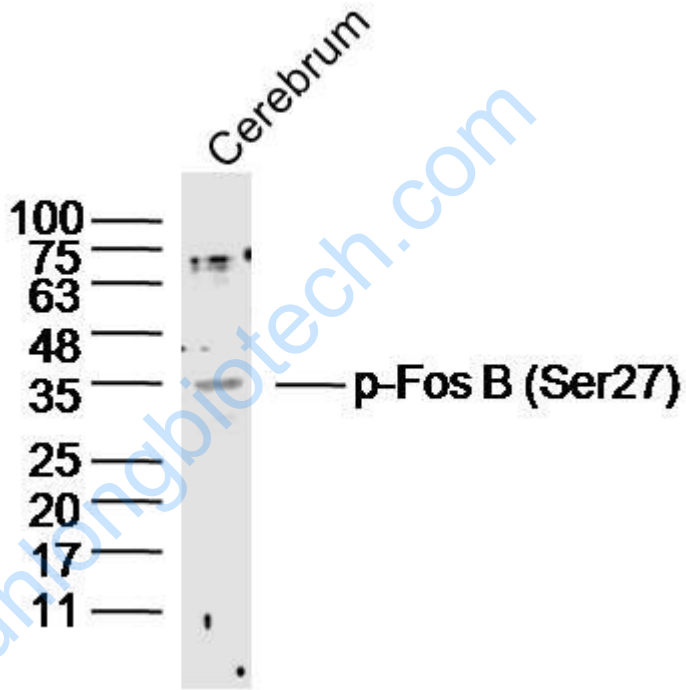
Product Detail:

[Unigene: 248335](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample: Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-phospho-Fos B (Ser27)(SL20664R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 36kD

Observed band size: 36kD