

## Basic Information

Product Name	Anti-FOSB Antibody
Gene Name	FOSB
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Fos B, identical to the related mouse and rat sequences.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	36 kDa
Dilution Ratios	Western blot (WB):1:500-2000

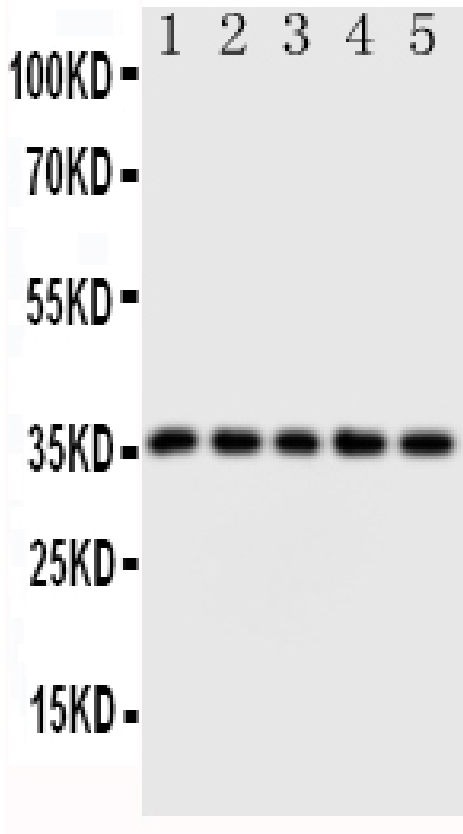
## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

FOSB, FBJ murine osteosarcoma viral oncogene homolog B, is a protein that, in humans, is encoded by the FOSB gene. FOSB is a member of Fos gene family which consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. The FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. The FOSB gene is mapped to 19q13.32. Delta FOSB is a truncated splice variant of FOSB. Delta FosB has been implicated in the development of drug addiction and control of the reward system in the brain, and is linked to changes in a number of other gene products such as CREB and sirtuins. Delta FosB also regulates the commitment of mesenchymal precursor cells to the adipocyte or osteoblast lineage.

## Selected Validation Data



Western blot analysis of FOSB using anti-FOSB antibody (BA0866-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: HT1080 whole cell lysates ,

Lane 2: SW620 whole cell lysates ,

Lane 3: HELA whole cell lysates ,

Lane 4: SMMC whole cell lysates ,

Lane 5: MM453 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-FOSB antigen

affinity purified polyclonal antibody (BA0866-2) at a dilution of

1:1000 and probed with a goat anti-rabbit IgG-HRP secondary

antibody (Catalog # BA1054). The signal is developed using ECL Plus

Western Blotting Substrate (Catalog # AR1197). A specific band was

detected for FOSB at approximately 36 kDa. The expected band size

for FOSB is at 36 kDa.