

Basic Information

Product Name	Anti-FOSB Antibody		
Gene Name	FOSB		
Source	Rabbit		
Isotype	IgG		
Species Reactivity	human		
Tested Application	IHC, ICC/IF, ELISA		
Contents	500 ug/ml antibody with PBS , 0.02% NaN3 , 1 mg BSA and 50% glycerol.		
Immunogen	E.coli-derived human FOSB recombinant protein (Position: M1-S332).		
concentration	500 ug/ml		
Purification	Immunogen affinity purified.		
Dilution Ratios	Immunohistochemistry in paraffin section (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 ELISA: 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.		

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

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

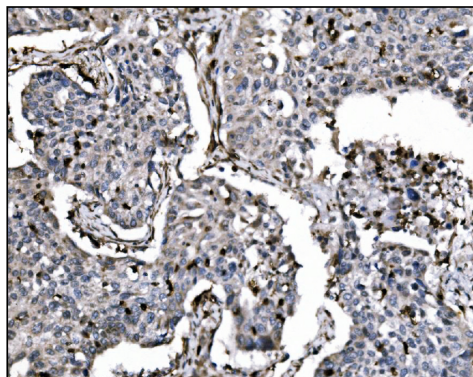


Figure 1. IHC analysis using anti- FOSB Antibody (A01569-1). detected in paraffin-embedded section of human lung cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

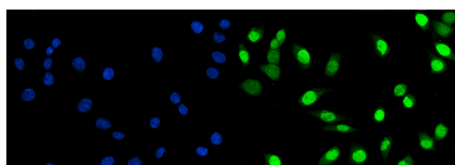


Figure 5. ICC analysis using anti- FOSB Antibody (A01569-1). was detected in immersion fixed SIHA cell line. Cells were stained using the Dylight594-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog # BA1142) and counterstained with DAPI (blue).