

Basic Information

Product Name	Anti-FOSB Antibody (Clone#DFO-6)	
Gene Name	FOSB	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human Fos B	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	36 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:20

Storage

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

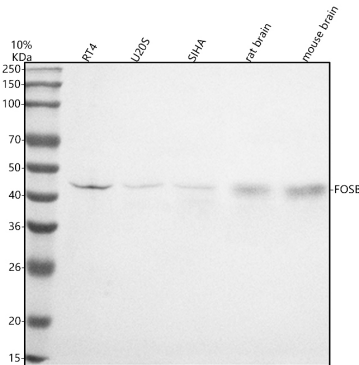
Background Information

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.

Reference

Anti-FOSB Antibody (Clone#DFO-6)被引用在2文献中。

Selected Validation Data



Western blot analysis of anti-FOSB antibody (BM4319). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human RT4 whole cell lysates,

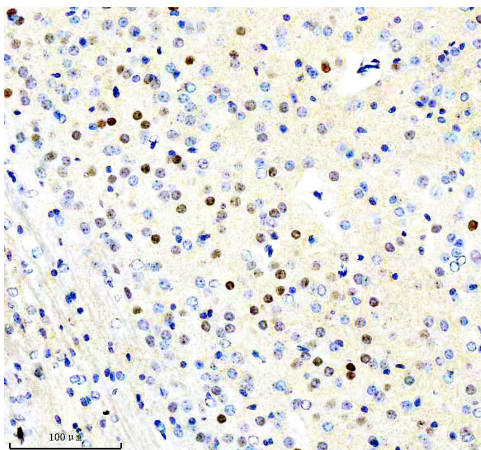
Lane 2: human U2OS whole cell lysates,

Lane 3: human SiHa whole cell lysates,

Lane 4: rat brain tissue lysates,

Lane 5: mouse brain tissue lysates.

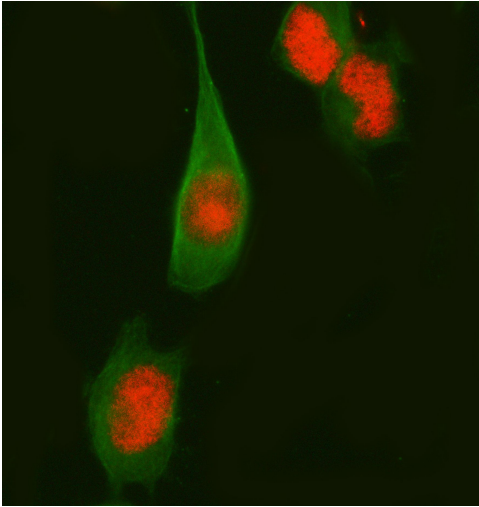
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FOSB antigen affinity purified monoclonal antibody (BM4319) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for FOSB at approximately 45 kDa. The expected band size for FOSB is at 36 kDa.



IHC analysis of FOSB using anti-FOSB antibody (BM4319) .

FOSB was detected in a paraffin-embedded section of mouse brain tissue.

The tissue section was incubated with rabbit anti-FOSB Antibody (BM4319) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of FOSB using anti-FOSB antibody (BM4319) and anti-Beta Tubulin antibody (M02533-3).

FOSB was detected in an immunocytochemical section of HeLa cells. Cy3-conjugated Anti-mouse IgG Secondary Antibody (red)(Catalog#BA1031) and Dylight488-conjugated Anti-mouse IgG Secondary Antibody (green)(Catalog#BA1126) was used as secondary antibody.