

Basic Information

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

Storage

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

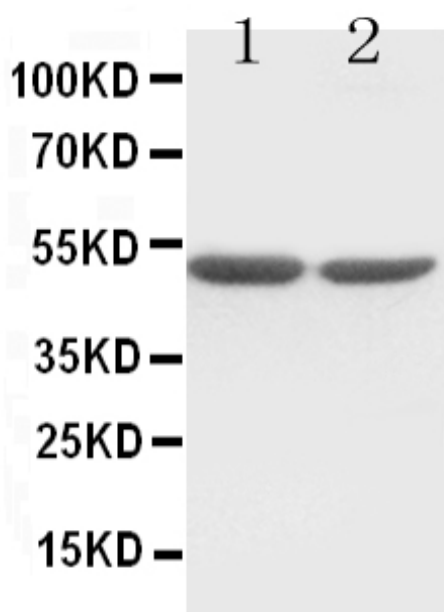
Background Information

The human oncogene c-fos is cellular homolog of the transforming gene of Finkel-Biskis-Jenkins(FBJ) murine osteosarcoma virus which was mapped to a single human chromosome. c-Fos is encoded by the FOS gene. FOS was the first transcription factor identified that has a critical function in regulating the development of cells destined to form and maintain the skeleton. FOS is also a major component of the activator protein-1(AP-1) transcription factor complex, which includes members of the JUN family. c-fos is a major nuclear target for signal transduction pathways involved in the regulation of cell growth, differentiation, and transformation. Using transgenic and knockout mice, Grigoriadis et al.(1995) established a unique role for the proto-oncogene and nuclear transcription factor, Fos, in regulating the differentiation and activity of specific bone cell populations, both during normal development and in bone disease.

Reference

Anti-c-Fos/FOS Antibody被引用在11文献中。

Selected Validation Data



Western blot analysis of c-Fos/FOS using anti-c-Fos/FOS antibody (BA0207-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: HT1080 whole cell lysates,

Lane 2: COLO320 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-c-Fos/FOS antigen affinity purified polyclonal antibody (BA0207-2) 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 c-Fos/FOS at approximately 50 kDa. The expected band size for c-Fos/FOS is at 41 kDa.