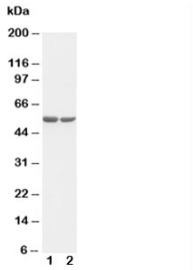
c-Fos Antibody (R30378)

Catalog No.	Formulation	Size
R30378	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P01100
Applications	Western Blot : 0.5-1ug/ml
Limitations	This c-Fos antibody is available for research use only.



Western blot testing of c-Fos antibody and Lane 1: HT1080; 2: COLO320 cell lysate.
Expected molecular weight: ~40 kDa (unmodified), 53-68 kDa (phosphorylated).

Description

The human oncogene c-Fos is the cellular homolog of the transforming gene of Finkel-Biskis-Jinkins(FBJ) murine osteosarcoma virus which was mapped to a single human chromosome. The protein is encoded by the FOS gene. It was the first transcription factor identified that has a critical function in regulating the development of cells destined to form and maintain the skeleton. It 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 in regulating the differentiation and

activity of specific bone cell populations, both during normal development and in bone disease.

Application Notes

The stated application concentrations are suggested starting points. Titration of the c-Fos antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 170-187 (DQLEDEKSALQTEIANLL) were used as the immunogen for this c-Fos antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the c-Fos antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.