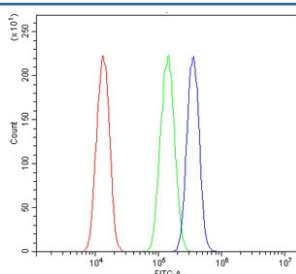


c-Fos Antibody / FOS (RQ5724)

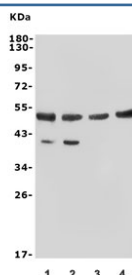
Catalog No.	Formulation	Size
RQ5724	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P01100
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This c-Fos antibody is available for research use only.



Flow cytometry testing of human SiHa cells with c-Fos antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= c-Fos antibody.



Western blot testing of human 1) HeLa, 2) Jurkat, 3) SH-SY5Y and 4) A549 cell lysate with c-Fos antibody. Expected molecular weight: ~40 kDa (unmodified), 53-68 kDa (phosphorylated).

Description

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.

Application Notes

Optimal dilution of the c-Fos antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids N45-D293) was used as the immunogen for the c-Fos antibody.

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.