



c-fos Antibody

E1S0001

The expression of Fos proteins is rapidly and transiently induced by a variety of extracellular stimuli including growth factors, cytokines, neurotransmitters, polypeptide hormones, and stress. Fos proteins dimerize with Jun proteins (c-Jun, JunB, and JunD) to form Activator Protein-1 (AP-1), a transcription factor that binds to TRE/AP-1 elements and activates transcription. Fos and Jun proteins contain the leucine-zipper motif that mediates dimerization and an adjacent basic domain that binds to DNA. The various Fos/Jun heterodimers differ in their ability to transactivate AP-1 dependent genes. The Fos family of nuclear oncogenes includes c-Fos, FosB, Fos-related antigen 1 (FRA1), and Fos-related antigen 2 (FRA2). Most Fos proteins exist as a single isoform, the FosB protein exists as two isoforms: full-length FosB and a shorter form, FosB2 (Delta FosB), that lacks the carboxy-terminal 101 amino acids.

Catalog Number: E1S0001-1, E1S0001-2

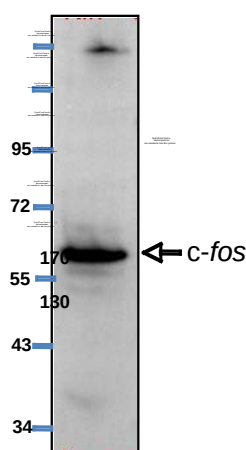
Quantity: 50ug/50uL, 100ug/100uL

Specificity/Sensitivity: *c-fos* antibody detects endogenous levels of total *c-fos* on Western analysis and do not cross-react with other *c-fos* family proteins.

Source/Purification: Monoclonal antibodies are produced by immunizing mice with a synthetic human *c-fos* peptide. Antibodies are purified by protein A chromatography.

Applications	Species Cross-Reactivity*	Molecular Wt.	Source
WB, IP	H, Mus, Rat,	~62 Kd	Mouse monoclonal

* Based on sequence homology



Western blot analysis of protein extracts from a rat insulinoma cell line, RIN,. The primary antibody was diluted 1:2000 before applied to the blotting membrane. The detected *c-fos* protein has an apparent molecular weight of 62KD.

Recommended Antibody

Dilutions:

Immuoprecipitation: 1:50-100;

Western Blotting: 1:1,000-2,000.

Antibody diluent: PBST-5% non-fat milk or BSA.

Storage condition: Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Stable for at least 6-months if stored at -20°C.

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