FOS Monoclonal Antibody

Product Code	CSB-MA194688
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Immunogen	Purified recombinant Human FOS protein fragments expressed in E.coli.
Raised In	Mouse
Species Reactivity	Human,Rat,Monkey
Specificity	This antibody detects endogenous levels of FOS and does not cross-react with related proteins.
Tested Applications	ELISA,WB;Recommended dilution:WB:1:500-1:5000
Relevance	Nuclear phosphoprotein which forms a tight but non-covalently linked complex with the JUN/AP-1 transcription factor.In the heterodimer,FOS and JUN/AP-1 basic regions each seems to interact with symmetrical DNA half sites.On TGF-beta activation,forms a multimeric SMAD3/SMAD4/JUN/FOS complex at the AP1/SMAD-binding site to regulate TGF-beta-mediated signaling.Has a critical function in regulating the development of cells destined to form and maintain the skeleton.It is thought to have an important role in signal transduction,cell proliferation and differentiation.In growing cells,activates phospholipid synthesis,possibly by activating CDS1 and PI4K2A.This activity requires Tyr-dephosphorylation and association with the endoplasmic reticulum.Nuclear phosphoprotein which forms a tight but non-covalently linked complex with the JUN/AP-1 transcription factor.In the heterodimer,FOS and JUN/AP-1 basic regions each seems to interact with symmetrical DNA half sites.On TGF-beta activation,forms a multimeric SMAD3/SMAD4/JUN/FOS complex at the AP1/SMAD-binding site to regulate TGF-beta-mediated signaling.Has a critical function in regulating the development of cells destined to form and maintain the skeleton.It is thought to have an important role in signal transduction,cell proliferation and differentiation.In growing cells,activates phospholipid synthesis,possibly by activating CDS1 and PI4K2A.This activity requires Tyr-dephosphorylation and association with the endoplasmic reticulum.
Form	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity purified
Isotype	IgG1
Clonality	Monoclonal
Alias	Activator protein 1; AP 1; Cellular oncogene c fos; Cellular oncogene fos; FBJ murine osteosarcoma viral (v fos) oncogene homolog (oncogene FOS); FBJ murine osteosarcoma viral v fos oncogene homolog; FBJ Osteosarcoma Virus; FOS; FOS protein; FOS_HUMAN;
Product Type	Monoclonal Antibody