



# FOS Monoclonal Antibody

<b>Product Code</b>	CSB-MA194688
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Immunogen</b>	Purified recombinant Human FOS protein fragments expressed in E.coli.
<b>Raised In</b>	Mouse
<b>Species Reactivity</b>	Human,Rat,Monkey
<b>Specificity</b>	This antibody detects endogenous levels of FOS and does not cross-react with related proteins.
<b>Tested Applications</b>	ELISA,WB;Recommended dilution:WB:1:500-1:5000
<b>Relevance</b>	<p>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.</p> <p>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.</p>
<b>Form</b>	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity purified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Alias</b>	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;
<b>Product Type</b>	Monoclonal Antibody



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**Immunogen Species** Homo sapiens (Human)

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**Clone No.** 9G7

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**Usage** For Research Use Only. Not for use in diagnostic or therapeutic procedures.