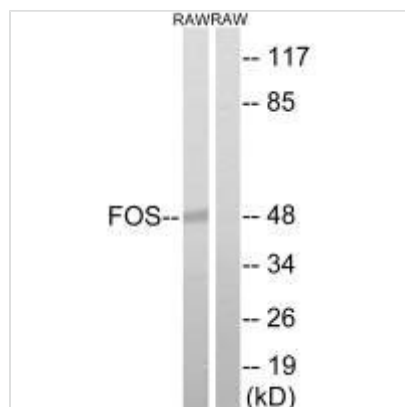




FOS (Ab-232) Antibody

Product Code	CSB-PA578446
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P01100
Immunogen	Synthesized non-phosphopeptide derived from Human FOS around the phosphorylation site of threonine 232 (V-A-T(p)-P-E).
Raised In	Rabbit
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous levels of total FOS protein.
Tested Applications	ELISA,WB;WB:1:500-1:3000
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. van Straaten F., Proc. Natl. Acad. Sci. U.S.A. 80:3183-3187(1983). Hai T., Genes Dev. 3:2083-2090(1989). Heilig R., Nature 421:601-607(2003).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	activator protein 1; AP-1; C-FOS; cellular oncogene c-fos; Cellular oncogene fos
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	FOS
Image	



Western blot analysis of extracts from RAW264.7 cells, using FOS (Ab-232) antibody.