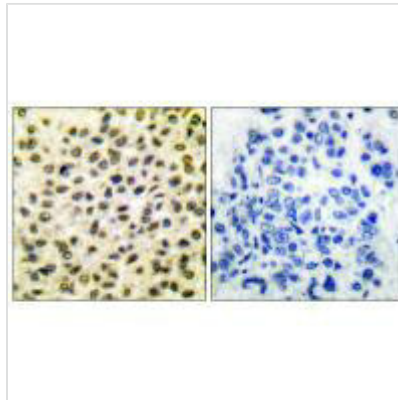


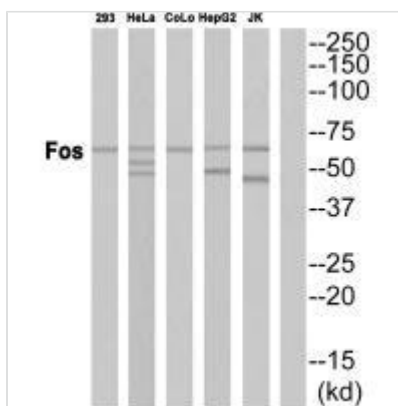


FOS Antibody

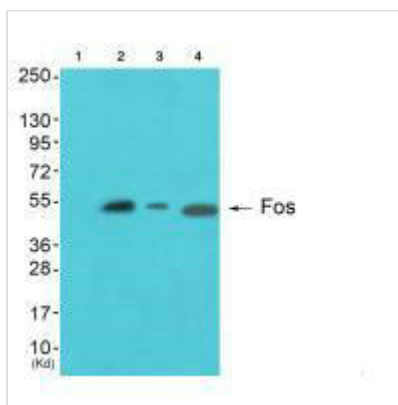
Product Code	CSB-PA292648
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P01100
Immunogen	Synthesized peptide derived from Human Fos.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total Fos protein.
Tested Applications	ELISA,WB,IHC;WB:1:500-1:3000,IHC:1:50-1:100
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. Qi Mei, Am J Physiol Endocrinol Metab, Oct 2001; 281: E655 - E664. Jennifer R. Brown, Mol. Cell. Biol., Sep 1998; 18: 5609 - 5619. T K Kerppola, Mol. Cell. Biol., Jun 1993; 13: 3782 - 3791. L J Ransone, Genes & Dev., Jun 1989; 3: 770 - 781.
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	Cellular oncogene fos; FOS; G0/G1 switch regulatory protein 7; G0S7; Proto-oncogene protein c-fos
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	FOS
Image	



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Fos antibody.



Western blot analysis of extracts from HepG2 cells, using Fos antibody.



Western blot analysis of extracts from A549 cells (Lane 2), HeLa cells (Lane 3) and JK cells (Lane 4), using Fos antibody. The lane on the left is treated with synthesized peptide.