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## c-Fos

Cat.No. 226 005; Polyclonal Guinea pig antibody, 50 µg specific antibody (lyophilized)

## **Data Sheet**

Reconstitution/ Storage	50 $\mu g$ specific antibody, lyophilized. Affinity purified with the immunogen. Guinea pig serum albumin was added for stabilization. For reconstitution add 50 $\mu$ l H $_2$ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1: 1000 IP: not tested yet ICC: 1: 500 IHC: 1: 500 IHC-P/FFPE: yes
Immunogen	Synthetic peptide corresponding to AA 2 to 17 from rat c-Fos (UniProt Id: P12841)
Reactivity	Reacts with: rat (P12841), mouse (P01101). Other species not tested yet.
Specificity	Specific for c-Fos.
matching control	226-0P

## TO BE USED IN VITRO / FOR RESEARCH ONLY NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The Fos gene family consists of 4 members: **c-Fos**, FosB, FosL1, and FosL2, also called Fos related antigen 1 and 2 (FRA1 and 2). These leucine zipper proteins can dimerize with proteins of the JUN family leading to the formation of the transcription factor complex AP1.

The expression of Fos proteins is rapidly and transiently induced by different extracellular stimuli such as growth factors, cytokines, neurotransmitters, polypeptide hormones, stress.

In addition Fos proteins can be phosphorylated by ERK kinases modulating transcriptional activity, protein stability and localization. c-Fos is homologous to the Finkel-Biskis-Jinkins (FBJ) murine osteosarcoma virus oncogene.

## **Selected General References**

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