

## **Anti-c-FOS Antibody**

Our Anti-c-FOS primary antibody from PhosphoSolutions is mouse monoclonal. It detects bovine, human, Catalog # AN1333

### **Specification**

# **Anti-c-FOS Antibody - Product Information**

Application WB, IHC
Primary Accession P01100

Reactivity Bovine, Chicken

Host Mouse
Clonality Monoclonal

Isotype IgG1
Calculated MW 40695

# **Anti-c-FOS Antibody - Additional Information**

Gene ID 2353

#### **Other Names**

Activator protein 1 antibody, AP 1 antibody, C FOS antibody, Cellular oncogene c fos antibody, Cellular oncogene fos antibody, FBJ murine osteosarcoma viral (v fos) oncogene homolog (oncogene FOS) antibody, FBJ murine osteosarcoma viral oncogene homolog antibody, FBJ murine osteosarcoma viral v fos oncogene homolog antibody, FBJ Osteosarcoma Virus antibody, FOS antibody, FOS protein antibody, FOS\_HUMAN antibody, G0 G1 switch regulatory protein 7 antibody, G0/G1 switch regulatory protein 7 antibody, G0S7 antibody, Oncogene FOS antibody, p55 antibody, proto oncogene c Fos antibody, Proto oncogene protein c fos antibody, Proto-oncogene c-Fos antibody, fos FBJ murine osteosarcoma viral oncogene homolog antibody

## **Target/Specificity**

c-FOS is a member of the FOS transcription factor family which forms dimers with c-JUN to produce the Activator Protein 1 (AP-1) complex which plays a key role in critical cellular processes such as cell proliferation, differentiation and apoptosis (Chiu et al., 1988). c-FOS expression has been demonstrated to be a useful marker of neuronal activation as it is rapidly induced following various stimuli (Hoffman et al., 1993). Additionally, c-FOS has been shown to be overexpressed in a variety of malignant tumor types (Milde-Langosch 2005).

## **Dilution**

WB~~1:1000 IHC~~1:100~500

#### **Format**

Protein G Purified

## Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

Anti-c-FOS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.



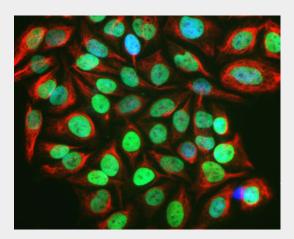
**Shipping** Blue Ice

# **Anti-c-FOS Antibody - Protocols**

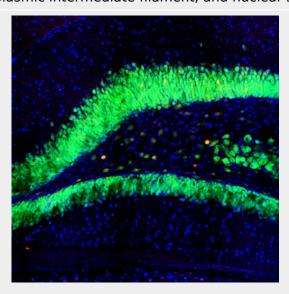
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **Anti-c-FOS Antibody - Images**



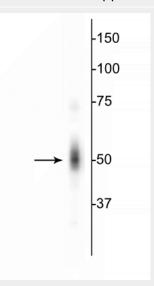
Immunofluorescence of serum starved, FBS stimulated HeLa cells showing nuclear labeling of activated cells with Anti- c-FOS (cat. 309-cFOS, 1:1000, green) while Anti-Vimentin (cat. 2105-VIM, 1:500, red) labels the cytoplasmic intermediate filament, and nuclear staining with DAPI (blue).



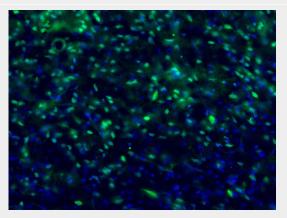
Immunofluorescence of a section of rat hippocampus showing neurons labeled with c-FOS (cat.



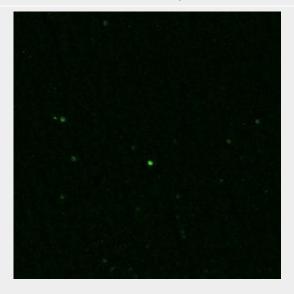
309-cFOS, 1:1000, red) counterstained with FOX3(NeuN) (green), and nuclear staining with DAPI. When both c-FOS and FOX3 are expressed the label appears orange.



Western blot of HeLa cell lysate showing specific immunolabeling of the ~50 kDa c-FOS protein.



Immunostaining of mouse brain labeling c-Fos protein in green(cat. 309-cFOS, 1:1000) and DNA with DAPI. Photo courtesy of Adam Almeida, University of Colorado.



Immunolabeling of a section of rat brain that specifically labels c-FOS protein(cat. 309-cFOS, green, 1:1000). Frozen sections were fixed with 4%PFA for 24 hours. Before performing free





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floating immunohistochemistry, sections underwent antigen retrieval with sodium citrate (pH6.0) for 30 minutes at 80°C. Image kindly provided by Angela Gonzalez, Washington State University, Vancouver.

## Anti-c-FOS Antibody - Background

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