10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

c-FOS Antibody
Mouse Monoclonal Antibody
Catalog # AN1261

Specification

c-FOS Antibody - Product Information

Application	**WB, IF**
Primary Accession	P01100
Reactivity	**Human, Mouse, Bovine**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**40695**

c-FOS Antibody - Additional Information

Gene ID	**2353**
Gene Name	**FOS**

Target/Specificity
Recombinant full length human c-FOS expressed in and purified from E. Coli.

Dilution
WB~~ 1:2000
IF~~ 1:1000

Format
Protein G purified culture supernatant

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

Shipping
Blue Ice

c-FOS Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

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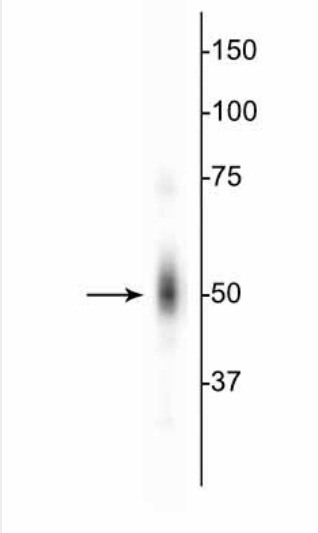
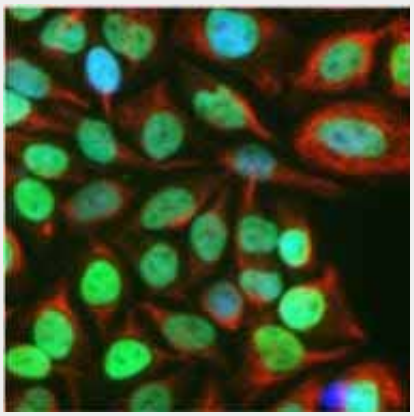
- Flow Cytomety
- Cell Culture

c-FOS Antibody - Images



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



Immunofluorescence of serum starved, FBS stimulated HeLa cells showing nuclear c-FOS labeling of activated cells in green and vimentin in red.

c-FOS Antibody - Background

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).