

c-Fos Antibody

Purified Mouse Monoclonal Antibody (Mab) Catalog # AP52813

Specification

c-Fos Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Isotype Calculated MW WB <u>P01100</u> Human Mouse Monoclonal IgG1 62 KDa

c-Fos Antibody - Additional Information

Gene ID 2353

Other Names

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

Dilution WB~~1:500

Format

Purified mouse monoclonal in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

Storage Store at -20 °C.Stable for 12 months from date of receipt

c-Fos Antibody - Protein Information

Name FOS

Synonyms G0S7

Function

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.

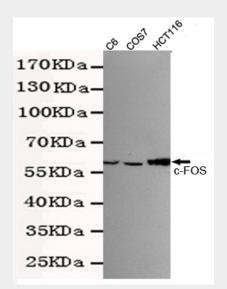
Cellular Location

Nucleus. Endoplasmic reticulum. Cytoplasm, cytosol. Note=In quiescent cells, present in very small amounts in the cytosol. Following induction of cell growth, first localizes to the endoplasmic reticulum and only later to the nucleus. Localization at the endoplasmic reticulum requires dephosphorylation at Tyr-10 and Tyr- 30

c-Fos Antibody - Protocols

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

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



Western blot detection of c-Fos in HCT116,COS7 and C6 cell lysates using c-Fos mouse mAb (1:500 diluted).Predicted band size:62KDa.Observed band size:62KDa.

c-Fos Antibody - Background

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c-Fos Antibody - References

van Straaten F., et al. Proc. Natl. Acad. Sci. U.S.A. 80:3183-3187(1983). Ota T., et al. Nat. Genet. 36:40-45(2004). Heilig R., et al. Nature 421:601-607(2003). Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Roux P., et al. Oncogene 6:2155-2160(1991).