

c-Fos Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52813**Specification**

c-Fos Antibody - Product Information

Application	WB
Primary Accession	P01100
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	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

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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

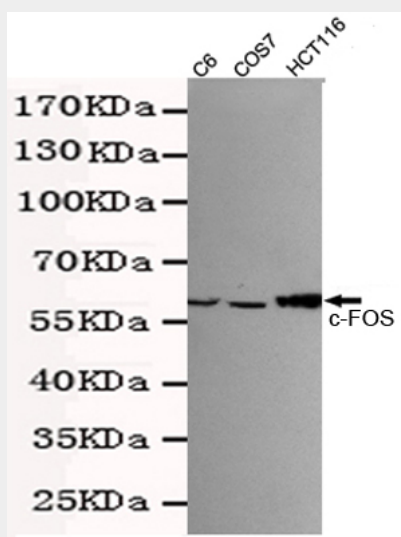
Nucleus. Endoplasmic reticulum. Cytoplasm, cytosol. Note=In quiescent cells, present in very small amounts in the cytosol. Following induction of cell growth, first localizes to the endoplasmic reticulum and only later to the nucleus. Localization at the endoplasmic reticulum requires dephosphorylation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

c-Fos Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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

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.

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).