

## c-Fos Monoclonal Antibody

Catalog No: #27217

Package Size: #27217-1 50ul #27217-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

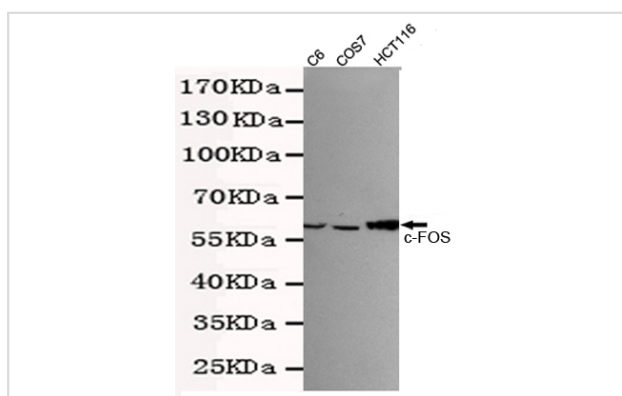
## Description

|                       |  |
|-----------------------|--|
| Product Name          | c-Fos Monoclonal Antibody  |
| Host Species          | Mouse  |
| Clonality             | Monoclonal   |
| Clone No.             | 7D6-A9-D4  |
| Isotype               | IgG1   |
| Purification          | Affinity purified  |
| Applications          | WB   |
| Species Reactivity    | Hu Rt Mk   |
| Specificity           | This antibody detects endogenous levels of FOS and does not cross-react with related proteins.   |
| Immunogen Type        | Recombinant Protein  |
| Immunogen Description | Purified recombinant human FOS protein fragments expressed in E.coli.  |
| Target Name           | c-Fos  |
| 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; |
| Accession No.         | Uniprot: P01100 Gene ID: 2353  |
| Uniprot               | P01100   |
| GeneID                | 2353;  |
| SDS-PAGE MW           | 62kd   |
| Formulation           | Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.  |
| Storage               | store at -20Λ C  |

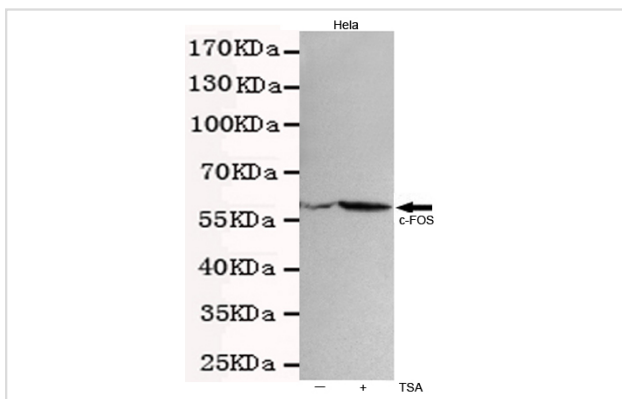
## Application Details

Western blotting: 1:500

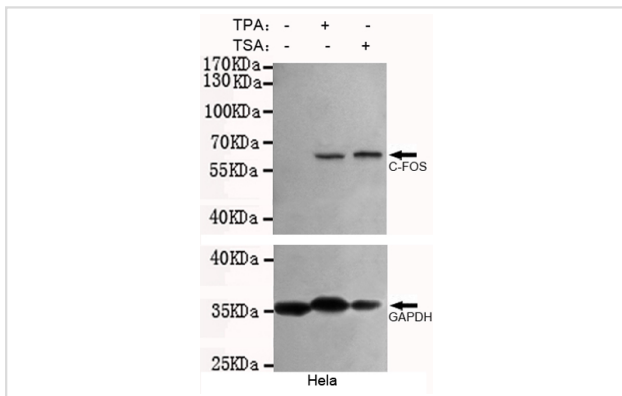
## Images



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



Western blot detection of c-Fos antibody in HeLa(TSA treated ) and HeLa cell lysates using c-Fos antibody (1:500 diluted).Predicted band size:62KDa.Observed band size:62KDa.



Western blot analysis of extracts from HeLa cells,untreated,50  $\mu$ M TSA-treated or 50  $\mu$ M TPA-treated for 24h,using C-FOS antibody (1:500 diluted)(upper) or GAPDH antibody (1:10000 diluted) (lower).

## 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. 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.

Note: This product is for in vitro research use only