

c-Fos Rabbit mAb

Catalog No.: A29231 **Recombinant**

Basic Information

Observed MW

62 kDa

Calculated MW

29 kDa/36 kDa/41 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC3920

Background

The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death.

Recommended Dilutions

WB 1:4000 - 1:15000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells

IF/ICC 1:200 - 1:900

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions (≥1:10000) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Immunogen Information

Gene ID

2353

Swiss Prot

P01100

Immunogen

This information is considered to be commercially sensitive.

Synonyms

p55; AP-1; C-FOS

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

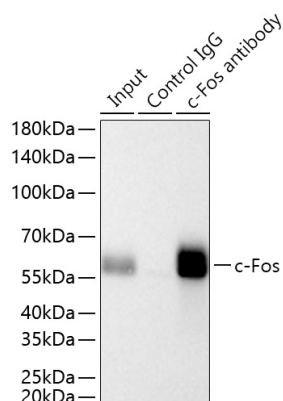
Contact

☎ | 400-999-6126

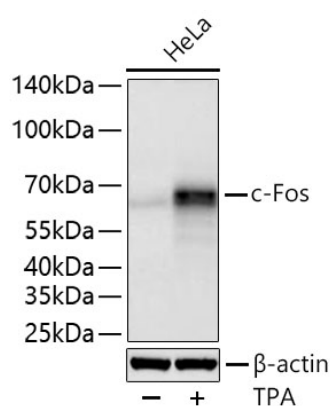
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

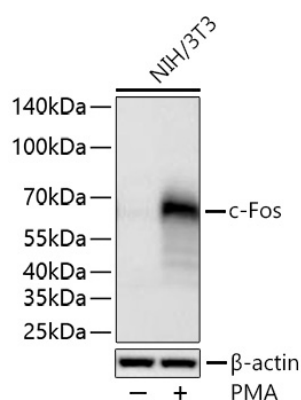
Validation Data



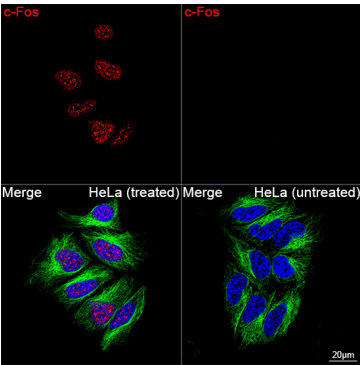
Immunoprecipitation of c-Fos from 300 µg extracts of HeLa cells treated with TPA (200 nM, 4 h) was performed using 1 µg of c-Fos Rabbit mAb (A29231). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using c-Fos Rabbit mAb (A29231) at a dilution of 1:1000.



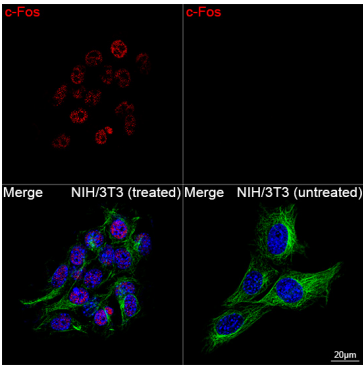
Western blot analysis of lysates from HeLa cells using c-Fos Rabbit mAb (A29231) at 1:8000 dilution incubated overnight at 4°C. HeLa cells were treated with TPA (200 nM) at 37°C for 4 hours after serum starvation for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20 s.



Western blot analysis of lysates from NIH/3T3 cells using c-Fos Rabbit mAb (A29231) at 1:8000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated with PMA (200 nM) at 37°C for 48 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.



Confocal imaging of HeLa cells (treated with PMA) and HeLa cells (untreated) using c-Fos Rabbit mAb (A29231, dilution 1:800) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells (treated with PMA) and NIH/3T3 cells (untreated) using c-Fos Rabbit mAb (A29231, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.