c-Fos (4): sc-52

**APPLICATIONS**

c-Fos (4) is recommended for detection of c-Fos of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)), immunofluorescence and immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10^6 cells).

Suitable for use as control antibody for c-Fos siRNA (h): sc-29221 and c-Fos siRNA (m): sc-29222.

c-Fos (4) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

**REFERENCES**


**BACKGROUND**

The v-Fos oncogene was initially detected in two independent murine osteosarcoma virus isolates and an avian nephroblastoma virus. The cellular homolog, c-Fos, encodes a 62 kDa nuclear phospho-protein that is rapidly and transiently induced by a variety of agents and functions as a transcriptional regulator for several genes. In contrast to c-Jun proteins, which form homo- and heterodimers which bind to specific DNA response elements, c-Fos proteins are only active as heterodimers with members of the Jun gene family. Functional homologs of c-Fos include the Fra-1, Fra-2 and Fos B genes. In addition, selected ATF/CREB family members can form leucine zipper dimers with Fos and Jun. Different dimers exhibit differential specificity and affinity for AP-1 and CRE sites.

**SOURCE**

c-Fos (4) is available as either rabbit (sc-52) or goat (sc-52-G) polyclonal affinity purified antibody raised against a peptide mapping at the N-terminus of c-Fos of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-52 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-52 X, 200 µg/0.1 ml.

Available as phycoerythrin conjugate for flow cytometry, sc-52 PE, 100 tests.

Available as HRP conjugate for Western blotting, sc-52 HRP, 200 µg/ml.

Available as fluorescein (sc-52 FITC) or rhodamine (sc-52 TRITC) conjugates for use in immunofluorescence, 200 µg/ml.

**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**DATA**

**SELECT PRODUCT CITATIONS**