BACKGROUND

C-Fos is a ~60 kDa immediate early gene product and a member of AP-1 family. c-Fos dimerizes with c-Jun to form the transcriptionally active complex AP-1, and functions in regulating cell proliferation and differentiation. c-Fos expression and activation are induced in many tumors (including breast cancer), and in response to a variety of stimuli (including growth factors, cytokines and stress). ERK1&2 mediate growth factor-induced c-Fos induction and transcriptional activation by directly phosphorylating the carboxyl terminal domain of c-Fos. c-Fos is phosphorylated on several serine and threonine sites, including threonine 325 and 232. Phosphorylation of threonine 325 is believed to augment c-Fos transcriptional activity.

IMMUNOGEN

The antiserum was produced against a chemically synthesized phosphopeptide derived from the region of human c-Fos that contains threonine 325. The sequence is conserved in human, mouse and rat.
**COMMENTS**
Optimal concentration should be evaluated by serial dilutions. For Western blotting applications, we recommend using the antibody at a 1:1000 dilution

**PURIFICATION**
Antigen Immunoaffinity Purification

**SHIP CONDITIONS**
Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**
Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**
Products are stable for one year from purchase when stored properly

**REFERENCES**

**PRODUCT SPECIFIC REFERENCES**