

Product Data Sheet

Purified anti-c-Fos

Catalog # / Size: 641401 / 25 µl
641402 / 100 µl

Clone: Poly6414

Isotype: Rabbit IgG

Reactivity: Human, **Cross-Reactivity:** Mouse (very weak)

Preparation: The antibody was purified by antigen-affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store at -20°C.

Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Description: The c-fos protein, also known as FBJ murine viral (v-fos) oncogene homolog, is a 62 kD cellular oncogene. The c-fos protein contains a bZIP region with a DNA-binding domain and a leucine zipper domain. Together with c-jun, c-jun proteins form the heterodimeric AP-1 complex that binds to the TRE elements of cellular and viral genes including collagenase, interleukin 2, stromelysin, SV40 and polyoma among others. c-fos is expressed in a variety of normal adult tissues and has been implicated as a critical transcription factor for skeletal formation and maintenance. This transcription factor is modified by phosphorylation by a number of upstream kinases and has been shown to interact with a variety of other proteins involved in transcriptional regulation. c-fos has been implicated in the development of fibrous bone dysplasia and osteosarcoma. The c-fos protein has been shown to interact with a variety of other proteins including c-jun, TFIID, NCOA2, NFAT1, CHOP, ELK1, SRC1, and ETS1. The Poly6244 antibody recognizes human, rat, and mouse c-fos and has been shown to be useful for Western blotting, immunoprecipitation, and immunohistochemistry.

Antigen References:

1. Dony C, et al. 1987. *Nature* 328:711.
2. Grigoriadis AE, et al. 1994. *Science* 266:443.
3. Glover JNM, et al. 1995. *Nature* 373:257.

Related Products: **Product**
HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone
Poly4064

Application
ELISA, IHC, WB



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