

**c-Fos rabbit pAb****Cat#: orb764837 (Manual)**

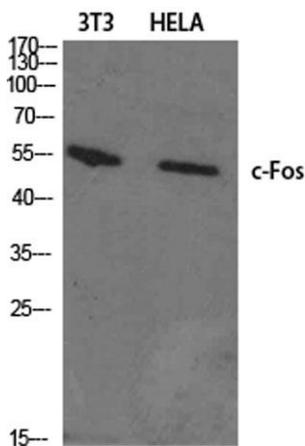
For research use only. Not intended for diagnostic use.

|                                 |  |
|---------------------------------|--|
| <b>Product Name</b>             | c-Fos rabbit pAb   |
| <b>Host species</b>             | Rabbit   |
| <b>Applications</b>             | WB;IHC;IF;ELISA  |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat  |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.   |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human Fos. AA range:1-50   |
| <b>Specificity</b>              | c-Fos Polyclonal Antibody detects endogenous levels of c-Fos protein.  |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| <b>Protein Name</b>             | Proto-oncogene c-Fos   |
| <b>Gene Name</b>                | FOS  |
| <b>Cellular localization</b>    | Nucleus. Endoplasmic reticulum. Cytoplasm, cytosol. In quiescent cells, present in very small amounts in the cytosol. Following induction of cell growth, first localizes to the endoplasmic reticulum and only later to the nucleus. Localization at the endoplasmic reticulum requires dephosphorylation at Tyr-10 and Tyr-30. |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |

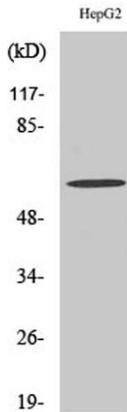
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|--------------------------------|---|
| <b>Clonality</b>               | Polyclonal  |
| <b>Concentration</b>           | 1 mg/ml   |
| <b>Observed band</b>           | 62kD  |
| <b>Human Gene ID</b>           | 2353  |
| <b>Human Swiss-Prot Number</b> | P01100  |
| <b>Alternative Names</b>       | FOS; G0S7; Proto-oncogene c-Fos; Cellular oncogene fos; G0/G1 switch regulatory protein 7 |

## Background

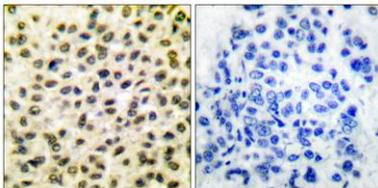
The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death. [provided by RefSeq, Jul 2008],



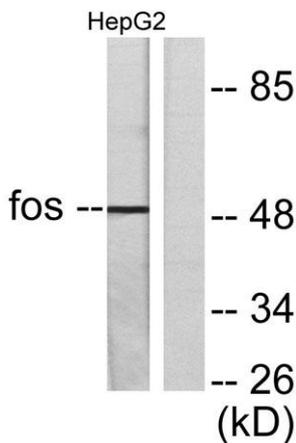
**Western Blot analysis of various cells using c-Fos Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute™ Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).**



Western Blot analysis of HepG2 cells using c-Fos Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute™ Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventibiotec, MN, USA).



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Fos Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using Fos Antibody. The lane on the right is blocked with the synthesized peptide.