

**FOS antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI16225****Specification**

---

**FOS antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">P01100</a>
Other Accession	<a href="#">NM_005252</a> , <a href="#">NP_005243</a>
Reactivity	Human, Mouse, Rat, Pig, Sheep, Bovine, Dog
Predicted	Human, Mouse, Rat, Pig, Chicken, Sheep, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41kDa KDa

**FOS antibody - C-terminal region - Additional Information****Gene ID** 2353**Alias Symbol** p55, AP-1, C-FOS**Other Names**

Proto-oncogene c-Fos, Cellular oncogene fos, G0/G1 switch regulatory protein 7, FOS, G0S7

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 100 ul of distilled water. Final anti-FOS antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

FOS antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**FOS antibody - C-terminal region - Protein Information****Name** FOS**Synonyms** G0S7**Function**

Nuclear phosphoprotein which forms a tight but non-covalently linked complex with the JUN/AP-1 transcription factor. In the heterodimer, FOS and JUN/AP-1 basic regions each seems to interact with symmetrical DNA half sites. On TGF-beta activation, forms a multimeric SMAD3/SMAD4/JUN/FOS complex at the AP1/SMAD-binding site to regulate TGF-beta-mediated signaling. Has a critical function in regulating the development of cells destined to form and

maintain the skeleton. It is thought to have an important role in signal transduction, cell proliferation and differentiation. In growing cells, activates phospholipid synthesis, possibly by activating CDS1 and PI4K2A. This activity requires Tyr-dephosphorylation and association with the endoplasmic reticulum.

#### **Cellular Location**

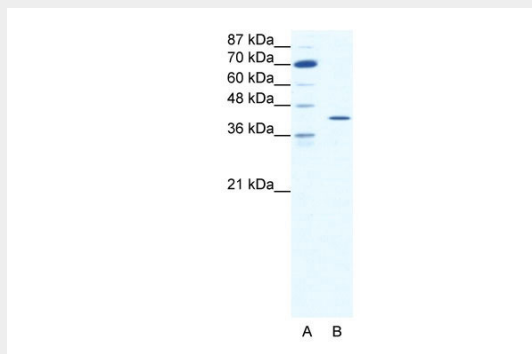
Nucleus. Endoplasmic reticulum. Cytoplasm, cytosol. Note=In quiescent cells, present in very small amounts in the cytosol. Following induction of cell growth, first localizes to the endoplasmic reticulum and only later to the nucleus. Localization at the endoplasmic reticulum requires dephosphorylation at Tyr-10 and Tyr-30

#### **FOS antibody - C-terminal region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **FOS antibody - C-terminal region - Images**



WB Suggested Anti-FOS Antibody Titration: 1.25µg/ml

ELISA Titer: 1:312500

Positive Control: HepG2 cell lysate

#### **FOS antibody - C-terminal region - Background**

Nuclear phosphoprotein which forms a tight but non-covalently linked complex with the JUN/AP-1 transcription factor. In the heterodimer, FOS and JUN/AP-1 basic regions each seem to interact with symmetrical DNA half sites. On TGF-beta activation, forms a multimeric SMAD3/SMAD4/JUN/FOS complex at the AP1/SMAD-binding site to regulate TGF-beta-mediated signaling. Has a critical function in regulating the development of cells destined to form and maintain the skeleton. It is thought to have an important role in signal transduction, cell proliferation and differentiation. In growing cells, activates phospholipid synthesis, possibly by activating CDS1 and PI4K2A. This activity requires Tyr-dephosphorylation and association with the endoplasmic reticulum.

#### **FOS antibody - C-terminal region - References**

van Straaten F.,et al.Proc. Natl. Acad. Sci. U.S.A. 80:3183-3187(1983).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Heilig R.,et al.Nature 421:601-607(2003).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Roux P.,et al.Oncogene 6:2155-2160(1991).