

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

FOS antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P01100
Other Accession	NM_005252 , NP_005243
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

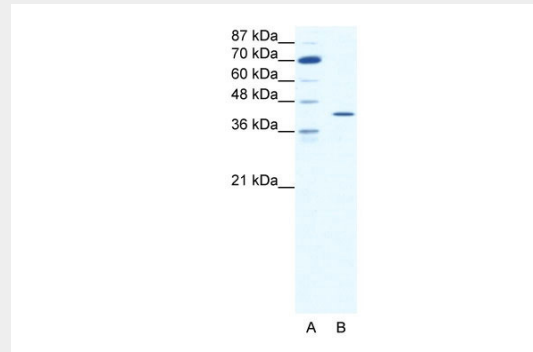
Nucleus. Endoplasmic reticulum. Cytoplasm, cytosol. Note=In quiescent cells, present in very small amounts in the cytosol. Following induction of cell growth, first localizes to the endoplasmic reticulum and only later to the nucleus. Localization at the endoplasmic reticulum requires dephosphorylation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

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FOS antibody - C-terminal region - References

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Heilig R.,et al.Nature 421:601-607(2003).
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