

DATASHEET

Version: 2016-08-17

C-Fos Antibody, pAb, Rabbit**Cat. No.:** A01513-40**Size:** 40 µg**Synonyms:** Rabbit Anti-C-Fos polyclonal antibody; C-Fos antibody**Description:**

Transcription factor C-Fos is one member of Fos family of nuclear oncogenes which includes c-Fos, FosB, Fos-related antigen 1 (FRA1) and Fos-related antigen 2 (FRA2). C-Fos is a major component of the activator protein-1 (AP-1) transcription factor complex and dimerizes with Jun proteins (c-Jun, JunB and JunD) to form AP-1 complex. AP-1 upregulates transcription of a diverse range of genes containing AP-1 regulatory elements. And phosphorylation of c-Fos on serine 32 and threonine 232 by ERK-5 increases protein stability and nuclear localization. C-Fos probably serves as a genetic regulator for cellular mechanisms mediating neuronal excitability and survival via regulation of kainic acid receptor GLUR6 and expression of brain-derived neurotrophic factor BDNF. GenScript Rabbit Anti-C-Fos Polyclonal Antibody is developed in rabbit using a KLH-coupled synthetic peptide within residues 250~300 of human C-Fos (Swiss Prot: P01100).

Immunogen: KLH-coupled synthetic peptide within residues 250~300 of human C-Fos (Swiss Prot: P01100).**Host:** Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Predicated Band Size:**

65 KD

Observed Band Size:**Example**

65 KD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Ig Subclass: Rabbit IgG**Specificity:** GenScript Rabbit Anti-C-Fos Polyclonal Antibody detects human C-Fos protein. Predicted to react with rat C-Fos according to sequence homology.**Purification:** Immunoaffinity chromatography.**Applications:**

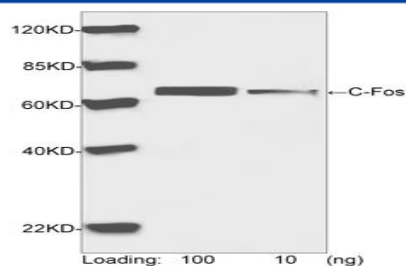
Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western blot: 0.5-1 µg/ml**Other Applications:** user-optimized**Species Reactivity:** Human**Reconstitution:**

Reconstitute the lyophilized powder with deionized water (or equivalent) to antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.



Western blot analysis of human C-Fos recombinant protein using Rabbit Anti-C-Fos Polyclonal Antibody (GenScript, A01513, 1 $\mu\text{g/ml}$) The signal was developed with IRDyeTM 800 Conjugated Goat Anti-Rabbit IgG. Predicted Size: 65 KD Observed Size: 65 KD