**Phospho-c-Jun (Ser73) Antibody**

**Applications**
- Western Blotting 1:1000
- Immunofluorescence (IF-IC) 1:100

**Species Cross-Reactivity**
- H, M, R, Mk

**Molecular Wt.**
- 48 kDa

**Source**
- Rabbit

**Recommended Antibody Dilutions:**
- Western Blotting: 1:1000
- Immunofluorescence (IF-IC): 1:100

**Storage:**
- Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at −20°C.
- Do not aliquot the antibody.

**Recommended Companion Products:**
- For application specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended companion products.

**Background References:**

**Background:**
- c-Jun is a member of the Jun Family containing c-Jun, JunB and JunD, and is a component of the transcription factor AP-1 (activator protein-1). AP-1 is composed of dimers of Fos, Jun and ATF family members and binds to and activates transcription at TRE/AP-1 elements (reviewed in 1). Extracellular signals including growth factors, chemokines and stress activate AP-1-dependent transcription. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63 and Ser73 through SAPK/JNK (reviewed in 1). Extracellular signals including growth factors, chemokines and stress activate AP-1-dependent transcription. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63 and Ser73 through SAPK/JNK (reviewed in 1). Extracellular signals including growth factors, chemokines and stress activate AP-1-dependent transcription. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63 and Ser73 through SAPK/JNK (reviewed in 1). Extracellular signals including growth factors, chemokines and stress activate AP-1-dependent transcription. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63 and Ser73 through SAPK/JNK (reviewed in 1). Extracellular signals including growth factors, chemokines and stress activate AP-1-dependent transcription. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63 and Ser73 through SAPK/JNK (reviewed in 1).

**Specificity/Sensitivity:**
- Phospho-c-Jun (Ser73) Antibody detects endogenous levels of c-Jun only when activated by phosphorylation at Ser73. This antibody also recognizes JunD phosphorylated at Ser100.

**Source/Purification:**
- Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues around Ser73 of human c-Jun. Antibodies are purified by protein A and peptide affinity chromatography.

**Applications Key:**
- W—Western
- IP—Immunoprecipitation
- IHC—Immunohistochemistry
- ChIP—Chromatin Immunoprecipitation
- IF—Immunofluorescence
- F—Flow cytometry
- E—ELISA

**Species Cross-Reactivity Key:**
- H—Human
- M—Mouse
- R—Rat
- Hm—Hamster
- Mm—Monkey
- B—Bovine
- C—Chicken
- Dm—Drosophila
- X—Xenopus
- Z—zebrafish
- S. cerevisiae

**IMPORTANT:** For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

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