

**Phospho-c-Jun (Ser73) Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10371****Specification**

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

Application	WB, IHC
Primary Accession	<a href="#">P05412</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	35676

**Phospho-c-Jun (Ser73) Antibody - Additional Information****Gene ID** 3725

Application & Usage	Western blot analysis (1 µg/ml) and Immunohistochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually. The Phospho-c-Jun (Ser73) antibody detects only activated c-Jun when phosphorylated at Ser73. It does not react with non-phosphorylated c-Jun.
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**Other Names**

JUN , AP1 , p39 , c-Jun

**Target/Specificity**

c-Jun, Phospho

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity-purified rabbit polyclonal phospho-c-Jun (Ser73) antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

## Background Descriptions

### Precautions

Phospho-c-Jun (Ser73) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Phospho-c-Jun (Ser73) Antibody - Protein Information

### Name JUN

### Function

Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed:<a href="http://www.uniprot.org/citations/10995748" target="\_blank">10995748</a>, PubMed:<a href="http://www.uniprot.org/citations/22083952" target="\_blank">22083952</a>). Heterodimerizes with proteins of the FOS family to form an AP-1 transcription complex, thereby enhancing its DNA binding activity to the AP-1 consensus sequence 5'-TGA[GC]TCA-3' and enhancing its transcriptional activity (By similarity). Together with FOSB, plays a role in activation-induced cell death of T cells by binding to the AP-1 promoter site of FASLG/CD95L, and inducing its transcription in response to activation of the TCR/CD3 signaling pathway (PubMed:<a href="http://www.uniprot.org/citations/12618758" target="\_blank">12618758</a>). Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed:<a href="http://www.uniprot.org/citations/17210646" target="\_blank">17210646</a>). Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed:<a href="http://www.uniprot.org/citations/24623306" target="\_blank">24623306</a>). Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed:<a href="http://www.uniprot.org/citations/24623306" target="\_blank">24623306</a>).

### Cellular Location

Nucleus.

### Tissue Location

Expressed in the developing and adult prostate and prostate cancer cells.

## Phospho-c-Jun (Ser73) Antibody - 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](#)

## Phospho-c-Jun (Ser73) Antibody - Images

## Phospho-c-Jun (Ser73) Antibody - Background

c-Jun is a component of the transcription factor AP-1 that binds and activates transcription at TRE/AP-1 elements. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63

and Ser73. Extracellular signals, such as growth factors and UV irradiation, stimulate phosphorylation of c-Jun at Ser63/73 and activate c-Jun dependent transcription. The MAP kinase homologue, SAPK/JNK, binds to the N-terminal region of c-Jun and phosphorylates c-Jun at Ser63/73.