

**Phospho-cJun(S63) Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP3073a****Specification**

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**Phospho-cJun(S63) Antibody Blocking peptide - Product Information**Primary Accession [P05412](#)**Phospho-cJun(S63) Antibody Blocking peptide - Additional Information**

Gene ID 3725

**Other Names**

Transcription factor AP-1, Activator protein 1, AP1, Proto-oncogene c-Jun, V-jun avian sarcoma virus 17 oncogene homolog, p39, JUN

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP3073a](/product/products/AP3073a) was selected from the region of human Phospho-cJun-S63. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Phospho-cJun(S63) Antibody Blocking peptide - Protein Information**

Name JUN

**Function**

Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed: [10995748](http://www.uniprot.org/citations/10995748), PubMed: [22083952](http://www.uniprot.org/citations/22083952)). 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: [12618758](http://www.uniprot.org/citations/12618758)). Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed: [12618758](#)).

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-cJun(S63) Antibody Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Phospho-cJun(S63) Antibody Blocking peptide - Images****Phospho-cJun(S63) Antibody Blocking peptide - Background**

The gene for cJun is the putative transforming gene of avian sarcoma virus 17. The cJun protein is a transcription factor highly similar to the viral protein, and interacts directly with specific target DNA sequences to regulate gene expression. The gene maps to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies.

**Phospho-cJun(S63) Antibody Blocking peptide - References**

Cheng, J., et al., J. Biol. Chem. 280(15):14492-14498 (2005).Quan, T., et al., J. Biol. Chem. 280(9):8079-8085 (2005).Bladh, L.G., et al., Mol. Pharmacol. 67(3):815-826 (2005).DeNardo, D.G., et al., Mol. Endocrinol. 19(2):362-378 (2005).Cheung, E., et al., Proc. Natl. Acad. Sci. U.S.A. 102(3):559-564 (2005).