

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

Phospho-cJun(S63) Antibody Blocking peptide - Product InformationPrimary 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). Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed:24623306). Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed:24623306).

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).