10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Phospho-cJun(S63) Antibody Blocking peptide

Synthetic peptide
Catalog # BP3072a

Specification

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 AP3072a was selected from the 56-67 <CR> 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, PubMed: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). 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). 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

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

Phospho-cJun(S63) Antibody Blocking peptide - References

Fang, D., et al., Proc. Natl. Acad. Sci. U.S.A. 101(41):14782-14787 (2004).Wang, Y., et al., Biochem. Biophys. Res. Commun. 323(1):9-16 (2004).Wehkamp, J., et al., Infect. Immun. 72(10):5750-5758 (2004).Gensch, E., et al., J. Biol. Chem. 279(37):39085-39093 (2004).Fujioka, S., et al., Mol. Cell. Biol. 24(17):7806-7819 (2004).