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Phospho-cJun(S73) Antibody Blocking peptide

Synthetic peptide
Catalog # BP3075a

Specification

Phospho-cJun(S73) Antibody Blocking peptide - Product Information

Primary Accession P05412

Phospho-cJun(S73) 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 AP3075a was selected from the region of human Phospho-cJun-S73. 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(S73) 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(S73) Antibody Blocking peptide - Protocols

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

- Blocking Peptides

Phospho-cJun(S73) Antibody Blocking peptide - Images

Phospho-cJun(S73) 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(S73) Antibody Blocking peptide - References

Naito, J., et al., J. Biol. Chem. 280(6):4785-4791 (2005).Beausoleil, S.A., et al., Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135 (2004).Zerbini, L.F., et al., Cancer Res. 63(9):2206-2215 (2003).Kim, H., et al., Cancer Res. 63(19):6135-6139 (2003).Bianchi, E., et al., J. Biol. Chem. 278(22):19682-19690 (2003).