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Phospho-JUN(T93) Blocking Peptide

Synthetic peptide
Catalog # BP3783e

Specification

Phospho-JUN(T93) Blocking Peptide - Product Information

Primary Accession	P05412
Other Accession	P17325, P56432, P05627, O77627, NP_002219.1

Phospho-JUN(T93) 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 is selected from aa 87-98 of HUMAN JUN

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-JUN(T93) 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: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-JUN(T93) Blocking Peptide - Protocols

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

- Blocking Peptides

Phospho-JUN(T93) Blocking Peptide - Images

Phospho-JUN(T93) Blocking Peptide - Background

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

Phospho-JUN(T93) Blocking Peptide - References

Gonsalves, C., et al. J. Immunol. 185(10):6253-6264(2010) Bozec, A., et al. J. Cell Biol. 190(6):1093-1106(2010) Machida, K., et al. Hepatology 52(2):480-492(2010) Madi, A., et al. BMC Microbiol. 10, 215 (2010) : Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :