

Phospho-JUN(Y170) Antibody Blocking peptide
Synthetic peptide
Catalog # BP3293a**Specification**

Phospho-JUN(Y170) Antibody Blocking peptide - Product InformationPrimary Accession [P05412](#)**Phospho-JUN(Y170) 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 [AP3293a](/product/products/AP3293a) was selected from the region of human Phospho-JUN-Y170. 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-JUN(Y170) 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-JUN(Y170) Antibody Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Phospho-JUN(Y170) Antibody Blocking peptide - Images**Phospho-JUN(Y170) 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-JUN(Y170) 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).