

# Phospho-cJun(S63) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP3073a

## Product Information

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<b>Application</b>	WB, DB, IHC-P, E
<b>Primary Accession</b>	<a href="#">P05412</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB5193
<b>Calculated MW</b>	35676

## Additional Information

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<b>Gene ID</b>	3725
<b>Other Names</b>	Transcription factor AP-1, Activator protein 1, AP1, Proto-oncogene c-Jun, V-jun avian sarcoma virus 17 oncogene homolog, p39, JUN
<b>Target/Specificity</b>	This cJun Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S63 of human cJun.
<b>Dilution</b>	WB~1:1000 DB~1:500 IHC-P~1:100~500 E~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Phospho-cJun(S63) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	JUN
<b>Function</b>	Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed: <a href="#">10995748</a> , PubMed: <a href="#">22083952</a> ). 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.

## Background

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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.

## References

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- 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).

## Citations

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- [The DNMT1-associated lincRNA DACOR1 reprograms genome-wide DNA methylation in colon cancer.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.