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# JUN Antibody (S63)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**

**Catalog # AP1984d**

## Specification

### JUN Antibody (S63) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | P05412 |
| Other Accession | P17325, P05627, O77627 |
| Reactivity | **Human** |
| Predicted | **Bovine, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **35676** |
| Antigen Region | **41-70** |

### JUN Antibody (S63) - 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**
This JUN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 41-70 amino acids from human JUN.

**Dilution**
WB~~1:1000

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
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.

**Precautions**
JUN Antibody (S63) is for research use only and not for use in diagnostic or therapeutic procedures.

### JUN Antibody (S63) - 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.

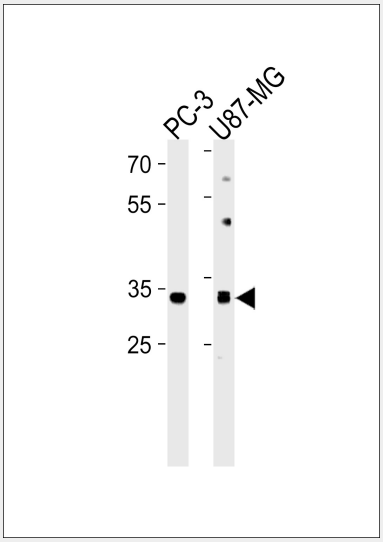
**Tissue Location**
Expressed in the developing and adult prostate and prostate cancer cells.

## JUN Antibody (S63) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## JUN Antibody (S63) - Images




JUN Antibody (T62/S63) (Cat. #AP1984d) western blot analysis in PC-3□U87-MG cell line lysates (35ug/lane).This demonstrates the JUN antibody detected the JUN protein (arrow).

## JUN Antibody (S63) - Background

JUN interacts directly with specific target DNA sequences to regulate gene expression. Jun recognizes the AP-1 consensus sequence TGACTCA, a response element that confers sensitivity to one of the tumor-promoting Phorbol esters, 12-O-tetradecanoyl-phorbol-13-acetate (see also: TRE, TPA response element). Jun itself forms homodimers or heterodimers with junD and junB and also interacts with the oncogene product fos, forming jun-fos heterodimers.

**JUN Antibody (S63) - References**

Fujita,S., J. Mol. Biol. 378 (3), 492-504 (2008)
Gan,X.Q., . Cell Biol. 180 (6), 1087-1100 (2008)
Yogev,O., Cancer Res. 68 (5), 1398-1406 (2008)