

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

E~~Use at an assay dependent concentration.

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

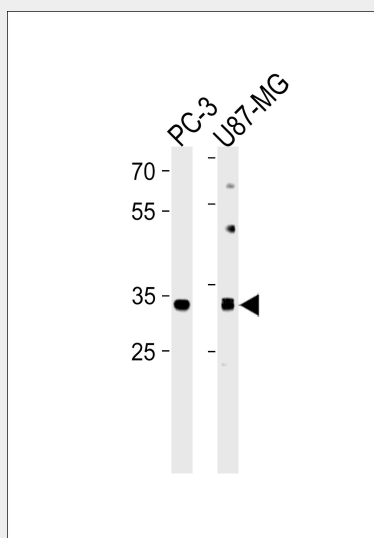
Expressed in the developing and adult prostate and prostate cancer cells.

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 Cytometry](#)
- [Cell Culture](#)

JUN Antibody (S63) - Images



JUN Antibody (T62/S63) (Cat. #AP1984d) western blot analysis in PC-3 and 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)