

JUN Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1984i**Specification**

JUN Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P05412
Other Accession	P17325 , P56432 , P05627 , P18870 , O77627
Reactivity	Human
Predicted	Bovine, Chicken, Mouse, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	222-251

JUN Antibody (C-term) - 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 222-251 amino acids from the C-terminal region of human JUN.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

JUN Antibody (C-term) - 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.

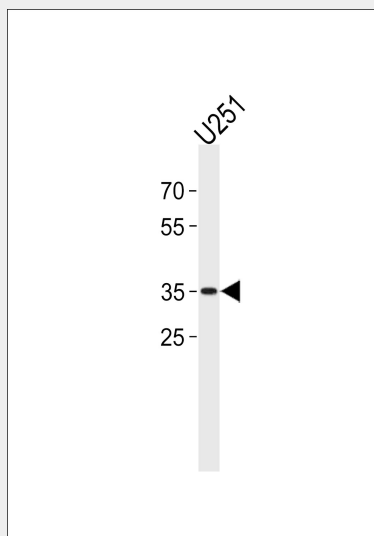
Tissue Location

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

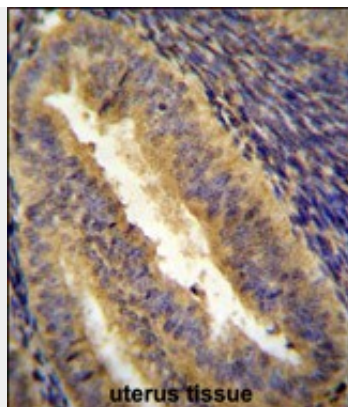
JUN Antibody (C-term) - Protocols

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

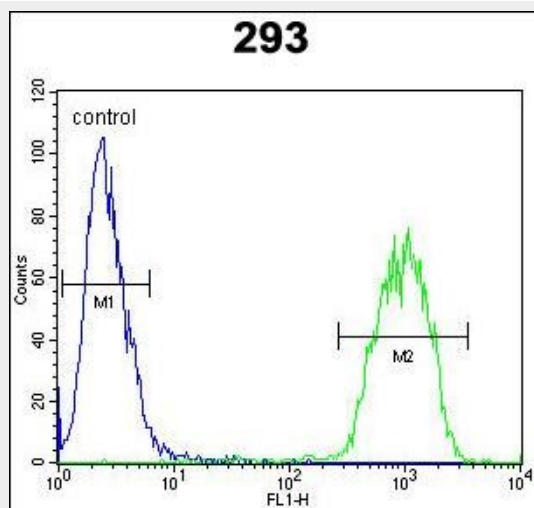
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

JUN Antibody (C-term) - Images

JUN Antibody (C-term) (Cat. #AP1984i) western blot analysis in U251 cell line lysates (35ug/lane). This demonstrates the JUN antibody detected the JUN protein (arrow).



JUN Antibody (C-term) (Cat. #AP1984I) immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of JUN Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



JUN Antibody (C-term) (Cat. #AP1984i) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

JUN Antibody (C-term) - Background

JUN is the putative transforming gene of avian sarcoma virus 17. JUN is 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.

JUN Antibody (C-term) - References

- Song, J.Y., et al. J. Biol. Chem. 285(12):9067-9076(2010)
- Jiao, X., et al. J. Biol. Chem. 285(11):8218-8226(2010)
- Carrillo, R.J., et al. J. Mol. Biol. 396(2):431-440(2010)
- Maritzen, T., et al. J. Biol. Chem. 285(6):4074-4086(2010)