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JUN Antibody (Center T93)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18924C

Specification

JUN Antibody (Center T93) - Product Information

Application	**IF, WB,E**
Primary Accession	P05412
Other Accession	P17325, P56432, P05627, O77627, NP_002219.1
Reactivity	**Human**
Predicted	**Bovine, Mouse, Pig, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**35676**
Antigen Region	**72-98**

JUN Antibody (Center T93) - 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 72-98 amino acids from the Central region of human JUN.

Dilution
IF~~1:10~50
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 (Center T93) is for research use only and not for use in diagnostic or therapeutic procedures.

JUN Antibody (Center T93) - 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.

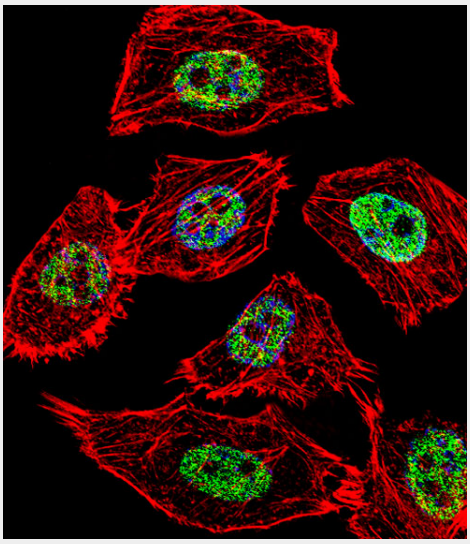
Tissue Location
Expressed in the developing and adult prostate and prostate cancer cells.

JUN Antibody (Center T93) - 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

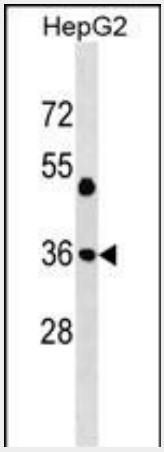
JUN Antibody (Center T93) - Images



Fluorescent confocal image of U251 cell stained with JUN Antibody (Center T93)(Cat#AP18924c).U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100

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(0.1%, 10 min), then incubated with JUN primary antibody (1:25, 1 h at 37℃). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37℃).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37℃). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). JUN immunoreactivity is localized to Nucleus significantly.



JUN Antibody (Center T93) (Cat. #AP18924c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the JUN antibody detected the JUN protein (arrow).

JUN Antibody (Center T93) - Background

This gene is the putative transforming gene of avian sarcoma virus 17. It encodes 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 (Center T93) - References

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Bozec, A., et al. J. Cell Biol. 190(6):1093-1106(2010)
Machida, K., et al. Hepatology 52(2):480-492(2010)
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Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :