

**JUN antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8428b****Specification**

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**JUN antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P05412</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Calculated MW	35676

**JUN antibody - 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 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between amino acids from human.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**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 is for research use only and not for use in diagnostic or therapeutic procedures.

**JUN antibody - 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.

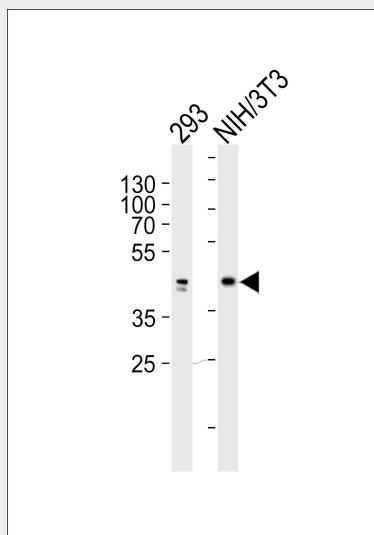
**Tissue Location**

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

**JUN antibody - 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 - Images**

Western blot analysis of lysates from 293, mouse NIH/3T3 cell line (from left to right), using JUN Antibody (Cat. #AM8428b). AM8428b was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L (HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35µg per lane.

**JUN antibody - Background**

Transcription factor that recognizes and binds to the enhancer heptamer motif 5'-TGA[CG]TCA-3'.

Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation.

#### **JUN antibody - References**

Hattori K.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:9148-9152(1988).  
Bohmann D.,et al.Science 238:1386-1392(1987).  
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DBJ databases.  
Gregory S.G.,et al.Nature 441:315-321(2006).  
Boyle W.J.,et al.Cell 64:573-584(1991).