

**c-JUN Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AP52741**

## Specification

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### c-JUN Antibody - Product Information

Application	<b>WB</b>
Primary Accession	<a href="#">P05412</a>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>43/48 KDa</b>

### c-JUN Antibody - Additional Information

**Gene ID** 3725

#### Other Names

Activator Protein 1;AP 1;AP1;cJun;Enhancer Binding Protein AP1;Jun Activation Domain Binding Protein;JUN;Jun oncogene;JUN protein;Jun proto oncogene;JUN\_HUMAN;JUNC;Oncogene JUN;p39;Proto oncogene c jun;Proto oncogene cJun;Proto-oncogene c-jun;Transcription Factor AP 1;Transcription factor AP-1;Transcription Factor AP1;V jun avian sarcoma virus 17 oncogene homolog;V jun sarcoma virus 17 oncogene homolog (avian);V jun sarcoma virus 17 oncogene homolog;V-jun avian sarcoma virus 17 oncogene homolog;vJun Avian Sarcoma Virus 17 Oncogene Homolog.

#### Dilution

WB~~1:1000

#### Format

Purified mouse monoclonal in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

#### Storage

Store at -20 °C.Stable for 12 months from date of receipt

### c-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:<a href="http://www.uniprot.org/citations/10995748" target="\_blank">10995748</a>, PubMed:<a href="http://www.uniprot.org/citations/22083952" target="\_blank">22083952</a>). 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:<a href="http://www.uniprot.org/citations/12618758" target="\_blank">12618758</a>). Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed:<a href="http://www.uniprot.org/citations/17210646" target="\_blank">17210646</a>). Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed:<a href="http://www.uniprot.org/citations/24623306" target="\_blank">24623306</a>). Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed:<a href="http://www.uniprot.org/citations/24623306" target="\_blank">24623306</a>).

#### Cellular Location

Nucleus.

#### Tissue Location

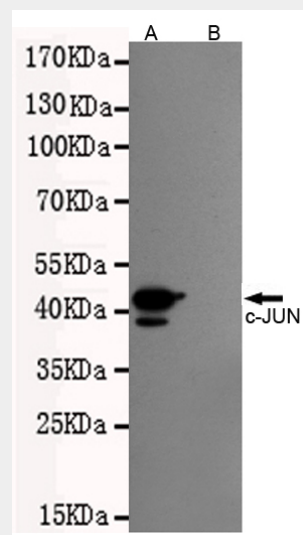
Expressed in the developing and adult prostate and prostate cancer cells.

### c-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](#)

### c-JUN Antibody - Images



Western blot detection of c-JUN in CHO-K1 transfected by PEGFP-C1-c-JUN [A] and CHO-K1 cell lysate [B] cell lysate using c-JUN mouse mAb (1:1000 diluted). Predicted band size: 43/48KDa. Observed band size: 43/48KDa.

### c-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.

#### **c-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).  
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Kalnine N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.  
Gregory S.G., et al. Nature 441:315-321(2006).