

KD-Validated Anti-JUN Rabbit Polyclonal Antibody
Rabbit polyclonal antibody
Catalog # AGI1772**Specification****KD-Validated Anti-JUN Rabbit Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P05412
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 36 kDa , observed , 48 kDa
Gene Name	KDa
Aliases	JUN
	JUN; Jun Proto-Oncogene, AP-1
	Transcription Factor Subunit; V-Jun Avian
	Sarcoma Virus 17 Oncogene Homolog 2;
	C-Jun; AP-1; Transcription Factor AP-1
	Subunit Jun; Transcription Factor Jun;
	Proto-Oncogene C-Jun; Activator Protein 1;
	Jun Oncogene; AP1; P39; V-Jun Sarcoma
	Virus 17 Oncogene Homolog; Jun Activation
	Domain Binding Protein; Enhancer-Binding
	Protein AP1; Transcription Factor AP-1;
	Proto-Oncogene CJun; CJUN
Immunogen	A synthesized peptide derived from human
	c-Jun

KD-Validated Anti-JUN Rabbit Polyclonal Antibody - Additional Information

Gene ID 3725

Other Names

Transcription factor Jun, Activator protein 1, AP1, Proto-oncogene c-Jun, Transcription factor AP-1 subunit Jun, V-jun avian sarcoma virus 17 oncogene homolog, p39, JUN

KD-Validated Anti-JUN Rabbit Polyclonal 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:10995748).

[12618758](http://www.uniprot.org/citations/12618758)). Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed: [17210646](http://www.uniprot.org/citations/17210646)). Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed: [24623306](http://www.uniprot.org/citations/24623306)). Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed: [24623306](http://www.uniprot.org/citations/24623306)).

Cellular Location

Nucleus.

Tissue Location

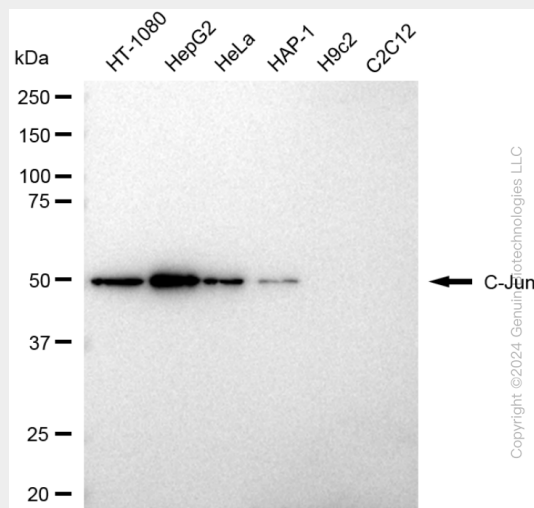
Expressed in the developing and adult prostate and prostate cancer cells.

KD-Validated Anti-JUN Rabbit Polyclonal Antibody - Protocols

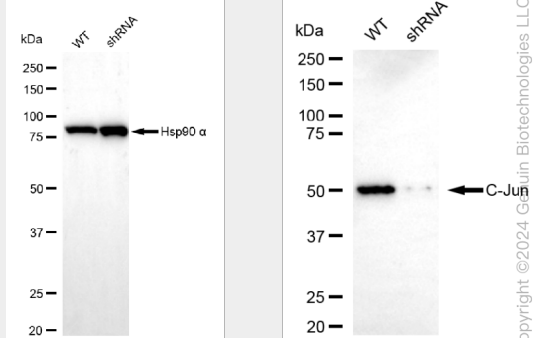
Provided below are standard protocols that you may find useful for product applications.

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

KD-Validated Anti-JUN Rabbit Polyclonal Antibody - Images



Western blotting analysis using anti-C-Jun antibody (Cat#AGI1772). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-C-Jun antibody (Cat#AGI1772, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-C-Jun antibody (Cat#AGI1772). C-Jun expression in wild type (WT) and C-Jun shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-C-Jun antibody (Cat#AGI1772, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.