

# c-Jun Antibody

Rabbit mAb Catalog # AP90332

#### **Product Information**

**Application** WB, IHC, IF, ICC, IP, IHF

Primary Accession P05412

Reactivity Rat, Human, Mouse

**Clonality** Monoclonal

Other Names AH119; AP-1; AP1; Activator protein 1; Jun A; Proto-oncogene c-jun; RJG-9;

V-jun avian sarcoma virus 17 oncogene homolog; c-Jun; p39;

IsotypeRabbit IgGHostRabbitCalculated MW35676

### **Additional Information**

**Dilution** WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50

**Purification** Affinity-chromatography

**Immunogen** A synthesized peptide derived from human c-Jun

**Description** c-jun is a 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

#### **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:<u>24623306</u>).

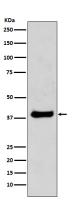
**Cellular Location** 

Nucleus.

**Tissue Location** 

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

## **Images**



Western blot analysis of c-jun expression in NIH/3T3 cell lysates.

Image not found: 202311/AP90332-IF.jpg

Immunofluorescent analysis of Hela cells, using c-Jun Antibody .

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