

# Phospho-c-Jun (T91) Antibody

Rabbit mAb

Catalog # AP90881

## Product Information

<b>Application</b>	WB, IP
<b>Primary Accession</b>	<a href="#">P05412</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	JUN; p39; V-jun avian sarcoma virus 17 oncogene homolog; Proto-oncogene c-Jun; AP1; Activator protein 1; Transcription factor AP-1;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	35676

## Additional Information

<b>Dilution</b>	WB 1:1000~1:2000 IP 1:20
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human c-Jun
<b>Description</b>	c-Jun is a member of the Jun family containing c-Jun, JunB, and JunD, and is a component of the transcription factor activator protein-1 (AP-1). AP-1 regulated genes exert diverse biological functions including cell proliferation, differentiation, and apoptosis, as well as transformation, invasion and metastasis, depending on cell type and context.
<b>Storage Condition and Buffer</b>	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

<b>Name</b>	JUN
<b>Function</b>	Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed: <a href="#">10995748</a> , PubMed: <a href="#">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="#">12618758</a> ). Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed: <a href="#">17210646</a> ). Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed: <a href="#">24623306</a> ). Binds to the USP28 promoter in colorectal cancer

(CRC) cells (PubMed:[24623306](#)).

**Cellular Location**

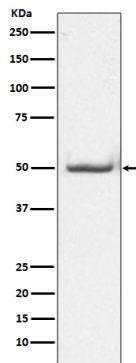
Nucleus.

**Tissue Location**

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

## Images

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Western blot analysis of Phospho-c-Jun (T91) expression in human brain lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.