



c-Jun (ANT0089R) Rabbit mAb

CatalogNo: ANT8321 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 36kD (Calculated)
- 43kD (Observed)

Isotype

- IgG,Kappa

Recommended Dilution Ratios

IHC 1:200-1:1000 WB 1:2000-1:10000 IF 1:200-1:1000 ELISA 1:5000-1:20000 IP 1:50-1:200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0089R

Immunogen Information **Specificity**

Endogenous

Gene name JUN

Target Information

Protein Name

C-Jun (Hydroxylated-p244); Transcription factor AP-1;jun;c-jun; AP-1

Organism	Gene ID	UniProt ID
Human	3725 ;	P05412 ;
Mouse	16476 ;	P05627 ;
Rat	24516 ;	P17325 ;

Cellular

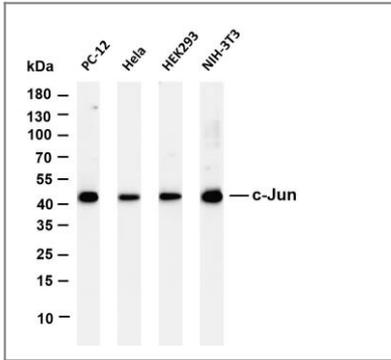
Nucleus

Localization**Tissue specificity** Expressed in the developing and adult prostate and prostate cancer cells.

Function

protein import into nucleus, translocation, response to reactive oxygen species, angiogenesis, blood vessel development, release of cytochrome c from mitochondria, regulation of protein amino acid phosphorylation, negative regulation of protein amino acid phosphorylation, vasculature development, response to molecule of bacterial origin, regulation of myeloid leukocyte differentiation, positive regulation of myeloid leukocyte differentiation, regulation of DNA replication, transcription, regulation of transcription, DNA-dependent, regulation of transcription from RNA polymerase II promoter, protein targeting, protein import into nucleus, cellular ion homeostasis, intracellular protein transport, nucleocytoplasmic transport, apoptosis, response to oxidative stress, mitochondrion organization, cell surface receptor linked signal transduction, enzyme linked receptor protein signaling pathway, transmembrane receptor protein serine/threonine kinase signaling pathway, transforming growth factor beta receptor signaling pathway, SMAD protein nuclear translocation, aging, behavior, learning or memory, learning, circadian rhythm, protein localization, cell death, positive regulation of cell proliferation, negative regulation of cell proliferation, apoptotic mitochondrial changes, cellular response to starvation, response to mechanical stimulus, response to bacterium, response to abiotic stimulus, positive regulation of biosynthetic process, response to extracellular stimulus, response to organic substance, response to inorganic substance, positive regulation of macromolecule biosynthetic process, negative regulation of phosphorus metabolic process, positive regulation of macromolecule metabolic process, negative regulation of macromolecule metabolic process, positive regulation of gene expression, regulation of cell death, positive regulation of cell death, programmed cell death, response to organic cyclic substance, protein transport, death, protein import, regulation of phosphate metabolic process, cellular homeostasis, epithelial cell differentiation, positive regulation of cellular biosynthetic process, regulation of protein modification process, negative regulation of protein modification process, response to nutrient levels, cellular response to extracellular stimulus, cellular response to nutrient levels, regulation of protein amino acid autophosphorylation, negative regulation of protein amino acid autophosphorylation, regulation of cellular protein metabolic process, negative regulation of cellular protein metabolic process, response to lipopolysaccharide, protein localization in organelle, cellular response to stress, response to cytokine stimulus, protein localization in nucleus, cellular protein localization, leading edge cell differentiation, regulation of cell proliferation, regulation of phosphorylation, negative regulation of phosphorylation, regulation of membrane potential, response to drug, response to hydrogen peroxide, homeostatic process, response to starvation, regulation of apoptosis, positive regulation of apoptosis, regulation of programmed cell death, positive regulation of programmed cell death, regulation of neuron apoptosis, positive regulation of neuron apoptosis, establishment of protein localization, regulation of transcription, positive regulation of cell differentiation, regulation of myeloid cell differentiation, positive regulation of myeloid cell differentiation, regulation of monocyte differentiation, positive regulation of monocyte differentiation, positive regulation of DNA replication, positive regulation of transcription, DNA-dependent, positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process, negative regulation of phosphate metabolic process, positive regulation of transcription, positive regulation of transcription from RNA polymerase II promoter, intracellular transport, rhythmic process, blood vessel morphogenesis, regulation of smooth muscle cell proliferation, positive regulation of smooth muscle cell proliferation, chemical homeostasis, ion homeostasis, neurological system process, cognition, regulation of DNA metabolic process, positive regulation of DNA metabolic process, positive regulation of developmental process, nuclear transport, nuclear import, positive regulation of nitrogen compound metabolic process, regulation of phosphorus metabolic process, negative regulation of protein metabolic process, regulation of RNA metabolic process, positive regulation of RNA metabolic process, cellular response to potassium ion starvation, response to cAMP, regulation of cell cycle, membrane depolarization, cellular chemical homeostasis, SMAD protein signal transduction, epithelium development, cellular macromolecule localization,

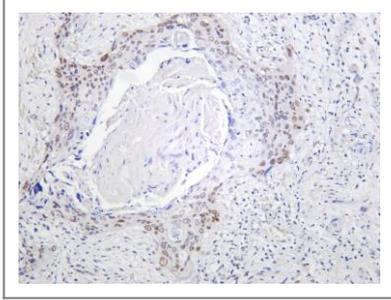
Validation Data



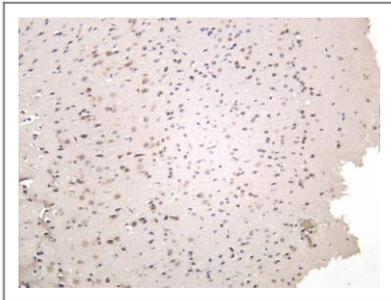
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti- c-Jun (ANT0089R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: PC-12 Lane 2: HeLa Lane 3: HEK293 Lane 4: NIH-3T3

Predicted band size: 36kDa Observed band size: 43kDa

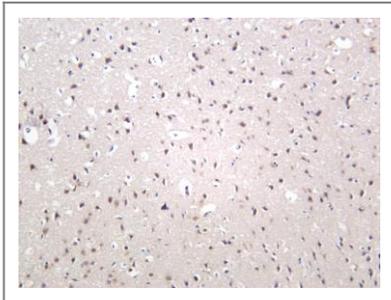
Human cervical carcinoma was stained with anti-c-Jun (ANT0089R) rabbit antibody



Mouse brain was stained with anti-c-Jun (ANT0089R) rabbit antibody



Rat brain was stained with anti-c-Jun (ANT0089R) rabbit antibody



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