

C-Jun (Hydroxylated-p244) rabbit pAb

Catalog No :	YT7942
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	c-JUN
Fields :	>>Endocrine resistance;>>MAPK signaling pathway;>>ErbB signaling pathway;>>cAMP signaling pathway;>>Mitophagy - animal;>>Apoptosis;>>Wnt signaling pathway;>>Osteoclast differentiation;>>Focal adhesion;>>Tight junction;>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>C-type lectin receptor signaling pathway;>>IL-17 signaling pathway;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>T cell receptor signaling pathway;>>B cell receptor signaling pathway;>>TNF signaling pathway;>>Neurotrophin signaling pathway;>>GnRH signaling pathway;>>Estrogen signaling pathway;>>Oxytocin signaling pathway;>>Relaxin signaling pathway;>>Non-alcoholic fatty liver disease;>>AGE-RAGE signaling pathway in diabetic complications;>>Cocaine addiction;>>Amphetamine addiction;>>Epithelial cell signaling in Helicobacter pylori infection;>>Pathogenic Escherichia coli infection;>>Shigellosis;>>Salmonella infection;>>Pertussis;>>Yersinia infection;>>Leishmaniasis;>>Chagas di
Gene Name :	JUN
Protein Name :	C-Jun (Hydroxylated-p244); Transcription factor AP-1;jun;c-jun[?]AP-1
Human Gene Id :	3725
Human Swiss Prot No :	P05412
Mouse Gene Id :	16476
Mouse Swiss Prot No :	P05627
Rat Gene Id :	24516
Rat Swiss Prot No :	P17325

Immunogen :	Synthesized peptide derived from human C-Jun (Hydroxylated-p244)
Specificity :	This antibody detects endogenous levels of Human, Mouse, Rat C-Jun (Hydroxylated-p244)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit, IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15 °C to -25 °C/1 year (Do not lower than -25 °C)
Observed Band :	39-42kD
Background :	function: Transcription factor that recognizes and binds to the enhancer heptamer motif 5'-TGA[CG]TCA-3'. PTM: Phosphorylation enhances the transcriptional activity. Phosphorylated by PRKDC. similarity: Belongs to the bZIP family. Jun subfamily. similarity: Contains 1 bZIP domain. subunit: Heterodimer with either FOS or BATF3. Interacts with HIVEP3 (By similarity). Interacts with SMAD3/SMAD4 heterodimers. Interacts with MYBBP1A, SPIB and TCF20. Interacts with COPS5; indirectly leading to its phosphorylation. Interacts with DSIPI; this interaction inhibits the binding of active AP1 to its target DNA.
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
Subcellular Location :	Nucleus.

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

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