

AP-1 (Acetyl Lys271) Polyclonal Antibody

Catalog No: YK0062

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: Transcription factor AP-1;jun;c-jun[?]AP-1

Human Gene Id: 3725

Human Swiss Prot

P05412

No:

Mouse Gene Id: 16476

Mouse Swiss Prot

P05627

No:

Rat Gene ld: 24516

Rat Swiss Prot No: P17325



Immunogen: Synthesized acetyl-peptide derived from the Internal region of human AP-1

around the acetylation site of K271.

Specificity: Acetyl-AP-1 (K271) Polyclonal Antibody detects endogenous levels of AP-1

protein only when acetylation at K271.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

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

Cell Pathway: MAPK_ERK_Growth;MAPK_G_Protein;ErbB_HER;WNT;WNT-T CELLFocal a

dhesion; Toll Like; T Cell Receptor; B Cell Antigen; Neurotrophin; GnRH; Epithelia

I cell signaling in Helicobacter pylori infection;Pathways in c

Background: This gene is the putative transforming gene of avian sarcoma virus 17. It

encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies. [provided by RefSeq,

Jul 2008],

Function: 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.,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.,

Subcellular Location:

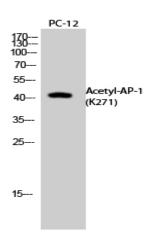
Nucleus.

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

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Products Images



Western Blot analysis of PC12 cells using Acetyl-AP-1 (K271) Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000