



# Jun/JunD (Phospho Ser73/Ser100) Rabbit mAb

<b>Catalog No</b>	YP-rAb-18409
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human,Mouse,Rat
<b>Applications</b>	WB,IHC,IF,IP,ELISA
<b>Gene Name</b>	JUN/JUND
<b>Protein Name</b>	Transcription factor AP-1;jun;c-jun; AP-1; Transcription factor jun-D
<b>Purification Process</b>	Protein A
<b>Specificity</b>	Phospho-Jun/JunD (Ser73/Ser100) Antibody detects endogenous levels of c JUN protein only when phosphorylated at S73/100.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):CSSVs
<b>Formulation</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source</b>	Monoclonal, Rabbit,IgG
<b>Dilution</b>	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; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
<b>Concentration</b>	0.5 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-15° C to -25° C/1 year(Do not lower than -25° C)
<b>Synonyms</b>	JUN ; Transcription factor AP-1 ; Activator protein 1 ; AP1 ; Proto-oncogene c-Jun ; V-jun avian sarcoma virus 17 oncogene homolog ; p39 ; JUND ; Transcription factor jun-D
<b>Observed Band</b>	42kD,48kD
<b>Calculated Molecular Weight</b>	35kD,36kD
<b>Cell Pathway</b>	Nucleus.
<b>Tissue Specificity</b>	Expressed in the developing and adult prostate and prostate cancer cells.
<b>Function</b>	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

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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.,

### Background

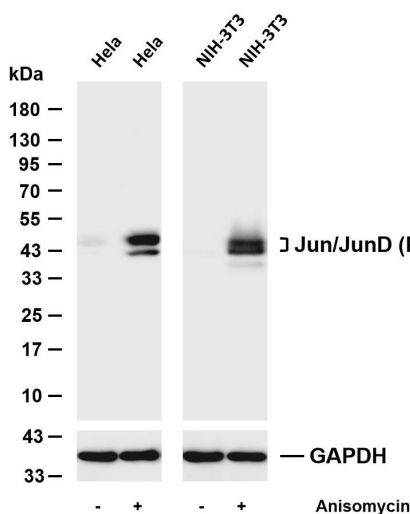
This gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies. [provided by RefSeq, Jul 2008],

### matters needing attention

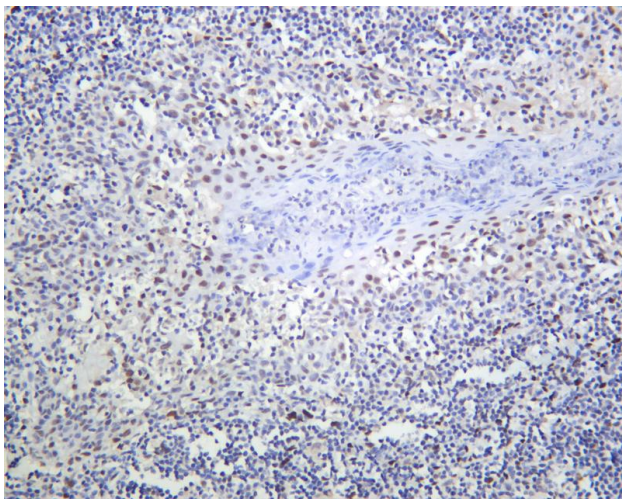
Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Jun/JunD (Phospho Ser73/Ser100) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HeLa was treated with Anisomycin(250ng/ml) for 30 minutes Lane 3: NIH-3T3 Lane 4: NIH-3T3 was treated with Anisomycin(25ug/ml) for 30 minutes Predicted band size: 35,36kDa Observed band size: 42,48kDa



Human tonsil was stained with anti-Jun/JunD (Phospho Ser73/Ser100) Rabbit antibody

