



AP-1 (phospho Ser63) Polyclonal Antibody

Catalog No	YP-Ab-01220
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IF;WB;IHC;ELISA
Gene Name	JUN
Immunogen	The antiserum was produced against synthesized peptide derived from human c-Jun around the phosphorylation site of Ser63. AA range:31-80
Specificity	Phospho-AP-1 (S63) Polyclonal Antibody detects endogenous levels of AP-1 protein only when phosphorylated at S63.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IF: 1:50-200 Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Activator protein 1;AP 1;AP1;cJun;Enhancer Binding Protein AP1;Jun Activation Domain Binding Protein;JUN;Jun oncogene;JUN protein;Jun proto oncogene;JUN_HUMAN;JUNC;Oncogene JUN;p39;Proto oncogene c jun;Proto oncogene cJun;Proto-oncogene c-jun;Transcription Factor AP 1;Transcription factor AP-1;Transcription Factor AP1;V jun avian sarcoma virus 17 oncogene homolog;V jun sarcoma virus 17 oncogene homolog (avian);V jun sarcoma virus 17 oncogene homolog;V-jun avian sarcoma virus 17 oncogene homolog;vJun Avian Sarcoma Virus 17 Oncogene Homolog;c-JUN;AP-1
Observed Band	39-42kD
Calculated Molecular Weight	39-42kD
Cell Pathway	Nucleus.
Tissue Specificity	Expressed in the developing and adult prostate and prostate cancer cells.
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 HIVP3 (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

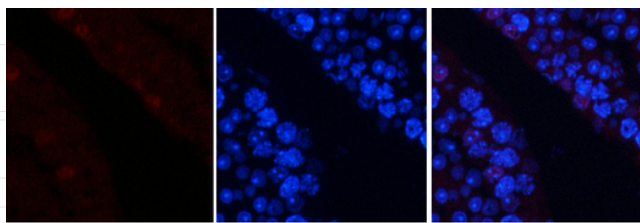
Avoid repeated freezing and thawing!

Usage suggestions

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



Products Images

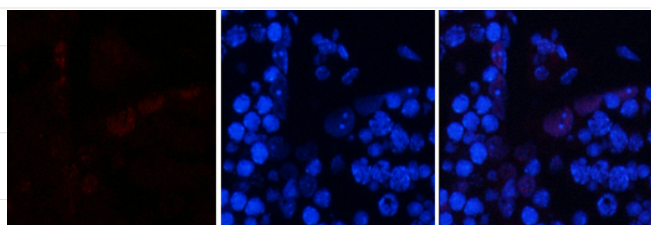


A

B

C

Immunofluorescence analysis of mouse-testis tissue. 1, AP-1 (phospho Ser63) Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

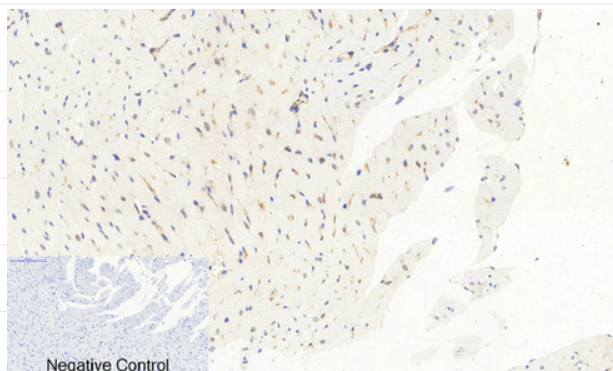


A

B

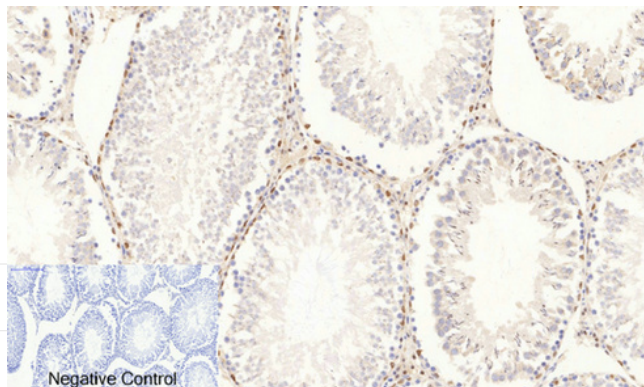
C

Immunofluorescence analysis of mouse-testis tissue. 1, AP-1 (phospho Ser63) Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



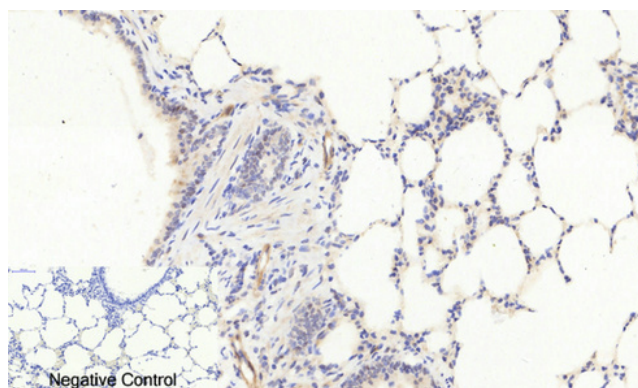
Negative Control

Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1, AP-1 (phospho Ser63) Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



Negative Control

Immunohistochemical analysis of paraffin-embedded Rat-testis tissue. 1, AP-1 (phospho Ser63) Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1, AP-1 (phospho Ser63) Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.