



AP-1 (phospho Thr231) Polyclonal Antibody

Catalog No	YP-Ab-01427
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;ELISA
Gene Name	JUN
Immunogen	The antiserum was produced against synthesized peptide derived from human c-Jun around the phosphorylation site of Thr231. AA range:201-250
Specificity	Phospho-AP-1 (T231) Polyclonal Antibody detects endogenous levels of AP-1 protein only when phosphorylated at T231.
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	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	c-JUN;JUN;Transcription factor AP-1;AP-1;Activator protein 1;AP1;Proto-oncogene c-Jun;V-jun avian sarcoma virus 17 oncogene homolog;p39
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],

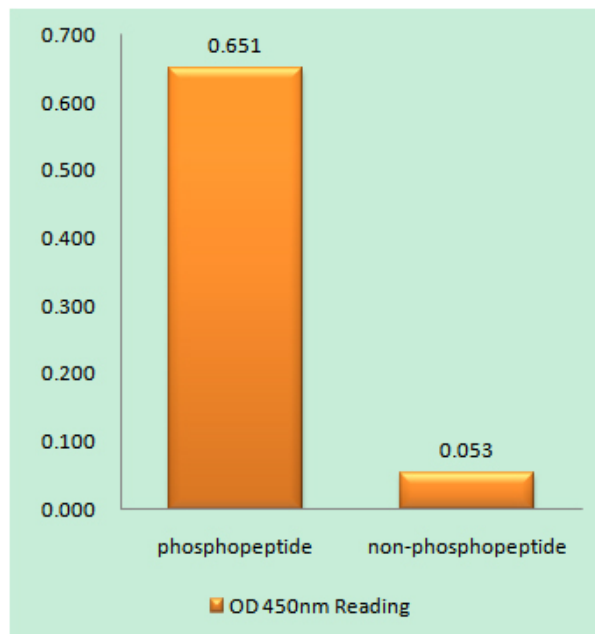
matters needing attention

Avoid repeated freezing and thawing!

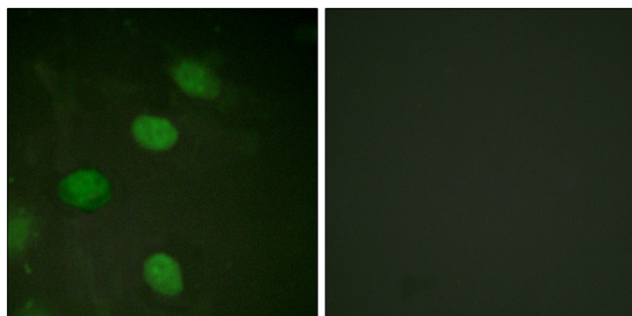
Usage suggestions

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

Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using c-Jun (Phospho-Thr231) Antibody



Immunofluorescence analysis of HeLa cells, using c-Jun (Phospho-Thr231) Antibody. The picture on the right is blocked with the phospho peptide.

Immunohistochemistry analysis of paraffin-embedded human testis, using c-Jun (Phospho-Thr231) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of c-Jun (Phospho-Thr231) Antibody. The lane on the right is blocked with the c-Jun (Phospho-Thr231) peptide.

