



AP-1 (phospho Thr239) Polyclonal Antibody

Catalog No	BYab-01222
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;IP;ELISA
Gene Name	JUN
Protein Name	Transcription factor AP-1;jun;c-jun; AP-1
Immunogen	The antiserum was produced against synthesized peptide derived from human c-Jun around the phosphorylation site of Thr239. AA range:206-255
Specificity	Phospho-AP-1 (T239) Polyclonal Antibody detects endogenous levels of AP-1 protein only when phosphorylated at T239.
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	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. Immunoprecipitation: 2-5 ug/mg lysate. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	JUN; Transcription factor AP-1; Activator protein 1; AP1; Proto-oncogene c-Jun; V-jun avian sarcoma virus 17 oncogene homolog; p39
Observed Band	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 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. ,

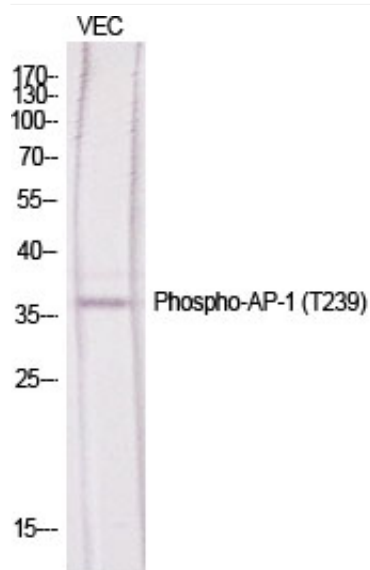
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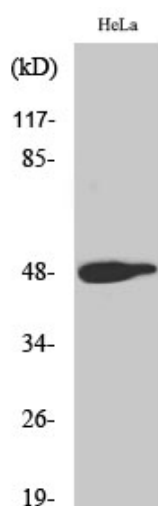
Background	This gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal 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.



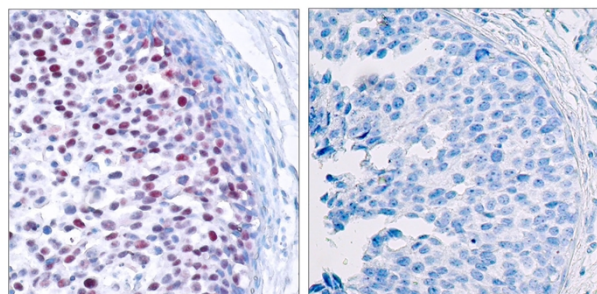
Products Images



Western Blot analysis of various cells using
Phospho-AP-1 (T239) Polyclonal Antibody diluted at
1:500



Western Blot analysis of HeLa cells using
Phospho-AP-1 (T239) Polyclonal Antibody diluted at
1:500



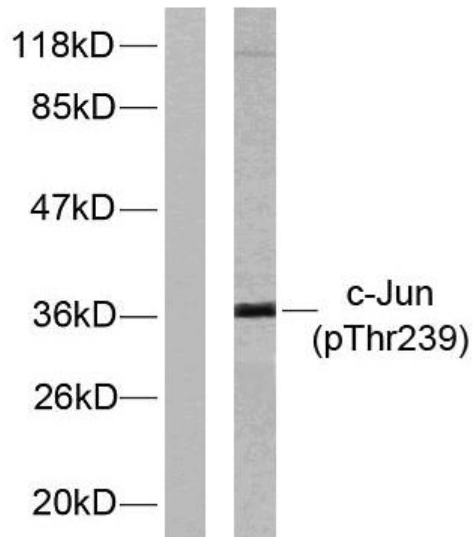
Immunohistochemistry analysis of paraffin-embedded
human breast carcinoma, using c-Jun
(Phospho-Thr239) Antibody. The picture on the right is
blocked with the phospho peptide.

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Western blot analysis of lysates from HeLa cells treated with UV, using c-Jun (Phospho-Thr239) Antibody. The lane on the left is blocked with the phospho peptide.