

**Product Name: AP-1 (phospho Thr239) Rabbit Polyclonal Antibody**  
**Catalog #: APRab04237**

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## Summary

<b>Production Name</b>	AP-1 (phospho Thr239) Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,WB,
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phospho Antibody
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	JUN
<b>Alternative Names</b>	JUN; Transcription factor AP-1; Activator protein 1; AP1; Proto-oncogene c-Jun; V-jun avian sarcoma virus 17 oncogene homolog; p39
<b>Gene ID</b>	3725.0
<b>SwissProt ID</b>	P05412.The antiserum was produced against synthesized peptide derived from human c-Jun around the phosphorylation site of Thr239. AA range:206-255

## Application

<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000..
<b>Molecular Weight</b>	39-42kD

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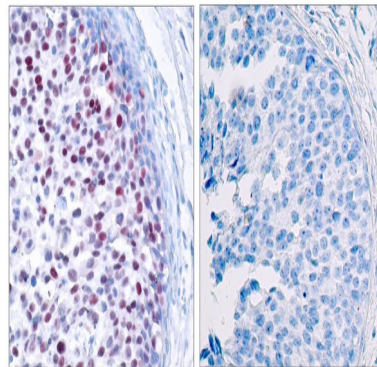
## Background

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],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.,

## Research Area

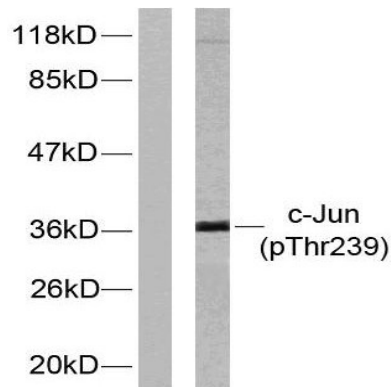
MAPK\_ERK\_Growth;MAPK\_G\_Protein;ErbB\_HER;WNT;WNT-T CELLFocal  
adhesion;Toll\_Like;T\_Cell\_Receptor;B\_Cell\_Antigen;Neurotrophin;GnRH;Epithelial cell signaling in Helicobacter pylori infection;Pathways  
in cancer;Colorectal cancer;Renal cell carcinoma;

## Image Data

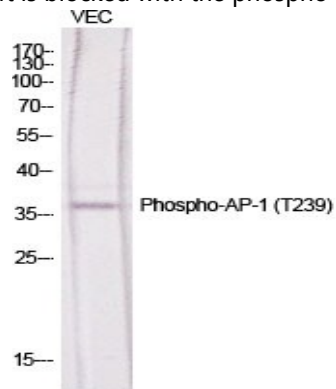


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using c-Jun (Phospho-Thr239) Antibody.  
The picture on the right is blocked with the phospho peptide.

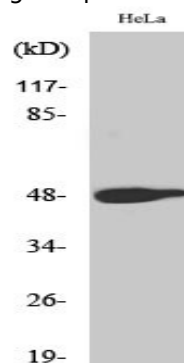
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Western blot analysis of lysates from HeLa cells treated with UV, using c-Jun (Phospho-Thr239) Antibody. The lane on the left is blocked with the phospho peptide.



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

## Note

For research use only.