

**AP-1 (phospho Thr239) Polyclonal Antibody**  
Catalog # AP66947**Specification**

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**AP-1 (phospho Thr239) Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P05412</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**AP-1 (phospho Thr239) Polyclonal Antibody - Additional Information**

Gene ID 3725

**Other Names**

JUN; Transcription factor AP-1; Activator protein 1; AP1; Proto-oncogene c-Jun; V-jun avian sarcoma virus 17 oncogene homolog; p39

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunoprecipitation: 2-5 ug/mg lysate. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**AP-1 (phospho Thr239) Polyclonal Antibody - Protein Information**

Name JUN

**Function**

Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed:<a href="http://www.uniprot.org/citations/10995748" target="\_blank">10995748</a>, PubMed:<a href="http://www.uniprot.org/citations/22083952" target="\_blank">22083952</a>). Heterodimerizes with proteins of the FOS family to form an AP-1 transcription complex, thereby enhancing its DNA binding activity to the AP-1 consensus sequence 5'-TGA[GC]TCA-3' and enhancing its transcriptional activity (By similarity). Together with FOSB, plays a role in activation-induced cell death of T cells by binding to the AP-1 promoter site of FASLG/CD95L, and inducing its transcription in response to activation of the TCR/CD3 signaling pathway (PubMed:<a href="http://www.uniprot.org/citations/12618758" target="\_blank">12618758</a>). Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed:<a href="http://www.uniprot.org/citations/17210646" target="\_blank">17210646</a>). Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed:<a href="http://www.uniprot.org/citations/24623306" target="\_blank">24623306</a>).

Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed:<a href="http://www.uniprot.org/citations/24623306" target="\_blank">24623306</a>).

#### Cellular Location

Nucleus.

#### Tissue Location

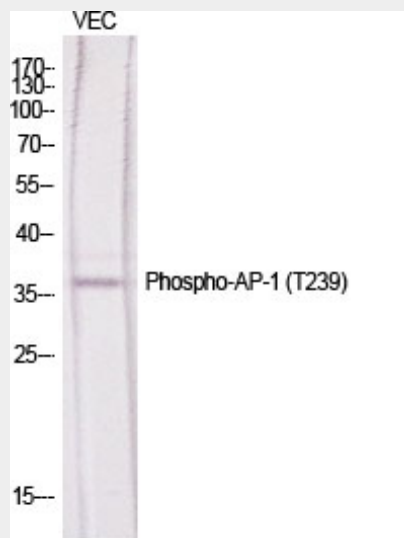
Expressed in the developing and adult prostate and prostate cancer cells.

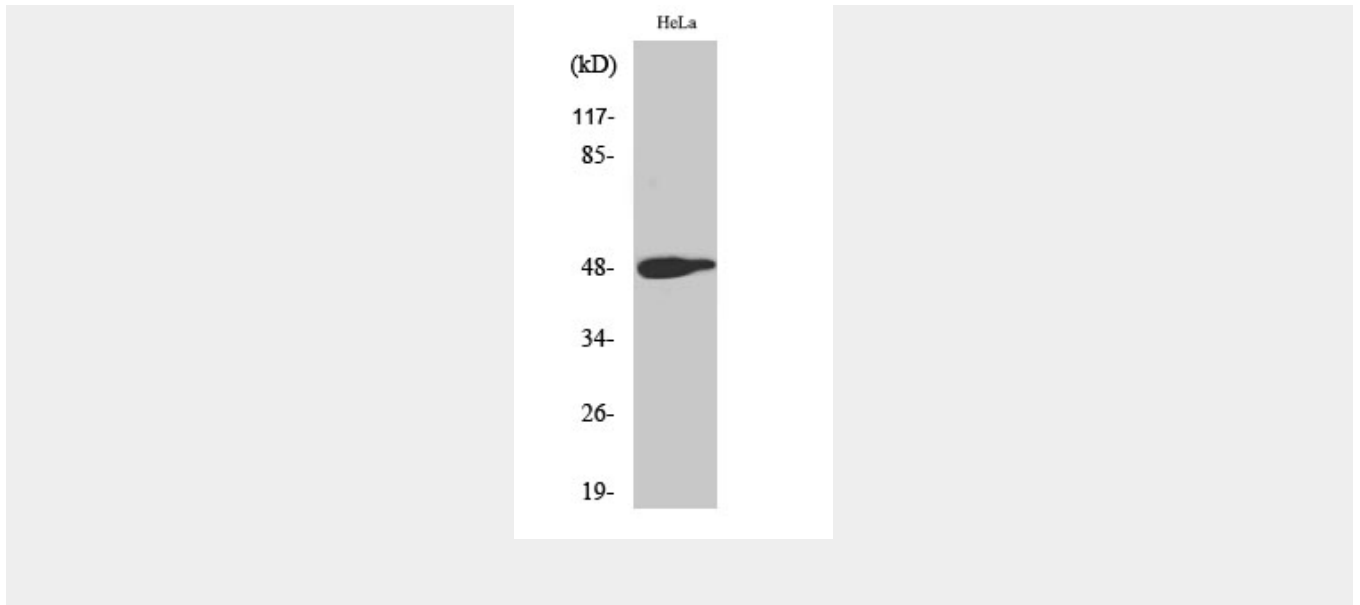
### AP-1 (phospho Thr239) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### AP-1 (phospho Thr239) Polyclonal Antibody - Images





### AP-1 (phospho Thr239) Polyclonal Antibody - Background

Transcription factor that recognizes and binds to the enhancer heptamer motif 5'-TGA[CG]TCA-3'. Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation. Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed:24623306). Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed:24623306).