

# AP-1 Polyclonal Antibody

Catalog # AP68435

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P              |
| Primary Accession | <a href="#">P05412</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 35676                  |

## Additional Information

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|                    |   |
|--------------------|---|
| 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. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A |
| Format             | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.   |
| Storage Conditions | -20°C   |

## Protein Information

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|                   |  |
|-------------------|--|
| Name              | JUN  |
| Function          | Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed: <a href="#">10995748</a> , PubMed: <a href="#">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="#">12618758</a> ). Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed: <a href="#">17210646</a> ). Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed: <a href="#">24623306</a> ). Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed: <a href="#">24623306</a> ). |
| Cellular Location | Nucleus.   |

**Tissue Location**

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

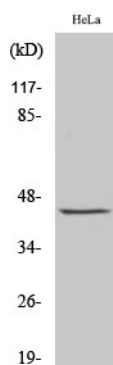
**Background**

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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](#)).

**Images**

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Western Blot analysis of various cells using AP-1 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.