

## Product datasheet for **AP06054PU-N**

### c-Jun (JUN) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000-1/20000. <b>Western blot:</b> 1/500-1/1000. <b>Immunocytochemistry on Paraffin Sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 201-250 of Human c-Jun.
Specificity:	The antibody detects endogenous levels of c-Jun protein (region surrounding Pro233).
Formulation:	PBS, pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~36, 43, 48 kDa
Gene Name:	Jun proto-oncogene, AP-1 transcription factor subunit
Database Link:	<a href="#">Entrez Gene 3725 Human P05412</a>



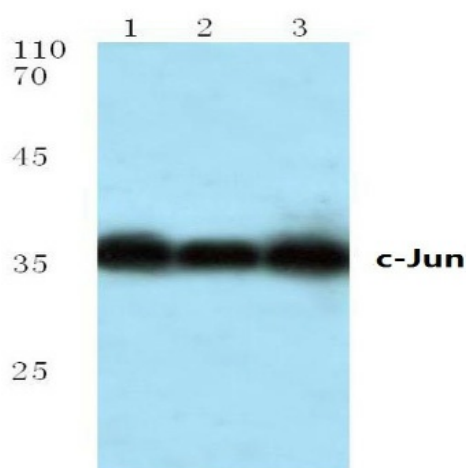
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**Background:**

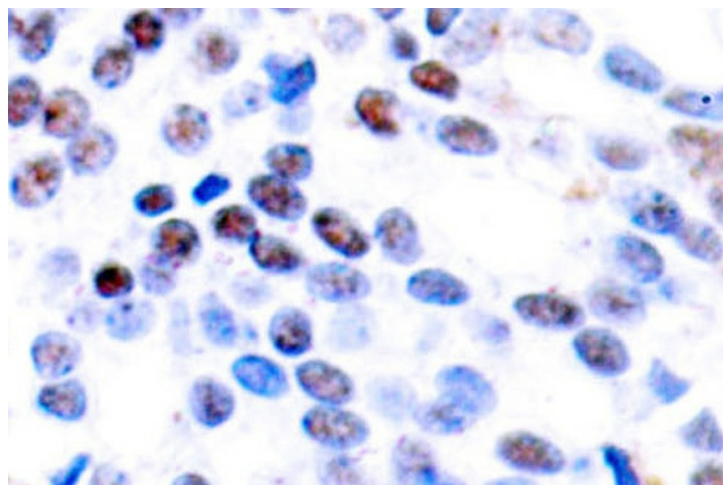
Genes belonging to the Jun and Fos oncogene families encode nuclear proteins that are found to be associated with a number of transcriptional complexes. The c-Jun protein is a major component of the transcription factor AP-1, originally shown to mediate phorbol ester tumor promoter (TPA)-induced expression of responsive genes through the TPA- response element (TRE). The Jun proteins form homo- and heterodimers which bind the TRE, while Fos proteins are active only as heterodimers with any of the Jun proteins. Fos/Jun heterodimers have a much higher affinity for the TRE than Jun homodimers. Ha-Ras augments c-Jun activity and stimulates phosphorylation of its activation domain. An inhibitor of Fos/Jun function, termed IP-1, associates with Fos and Jun and is inactivated upon phosphorylation induced by the cAMP-dependent protein kinase A (PKA).

**Synonyms:**

Transcription factor AP1

**Product images:**

Western blot analysis of AP-1 / c-Jun Antibody at 1/500 dilution in HeLa cell lysate (Lane 1), Mouse kidney tissue lysate (Lane 2) and Rat brain tissue lysate (Lane 3).



Immunohistochemistry analysis of AP-1 / c-Jun Antibody in paraffin-embedded human breast carcinoma tissue.