

## Product datasheet for **AP02324PU-N**

### **c-Jun (JUN) pTyr170 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	Suitable for use in Western blot (1:500~1:1000).
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	The antiserum was produced against synthesized phosphopeptide derived from human c-Jun around the phosphorylation site of tyrosine 170 (P-V-YP-A-N).
<b>Specificity:</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. c-Jun (phospho-Tyr170) antibody detects endogenous levels of c-Jun only when phosphorylated at tyrosine 170.
<b>Formulation:</b>	Phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Immunoaffinity chromatography.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: One year from despatch.
<b>Gene Name:</b>	Jun proto-oncogene, AP-1 transcription factor subunit
<b>Database Link:</b>	<a href="#">Entrez Gene 3725 Human P05412</a>



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**Background:**

The human protooncogene JUN is the putative transforming gene of avian sarcoma virus 17, and it encodes a protein which is highly homologous to the viral protein. cJun (previously known as the Fos binding protein p39) and c Fos form a complex in the nucleus. AP 1 (activating protein 1) is a collective term referring to these dimeric transcription factors composed of Jun, Fos or ATF subunits that bind to a common DNA site, the AP1 binding site. AP 1 proteins, mostly the Jun group, regulate the expression and function of cell cycle regulators such as Cyclin D1, p53, p21 (cip1/waf1), p19 (ARF) and p16. Fos and Jun proto oncogene expression is induced transiently by a variety of extracellular stimuli associated with mitogenesis, differentiation processes or depolarization of neurons. JUN has been mapped to 1p32 to p31, a chromosomal region involved in both translocations and deletions in human malignancies.

**Synonyms:**

Transcription factor AP1

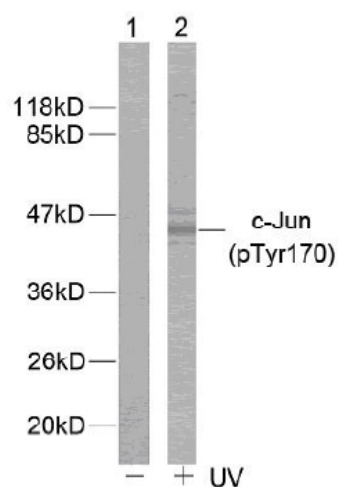
**Product images:**


Figure 1. Western blot analysis of extracts from HeLa cells using c-Jun (phospho-Tyr170) antibody.