

Product datasheet for **AP06053PU-N**

c-Jun (JUN) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, IP, WB |
| Recommended Dilution: | Western blot: 1/500-1/1000. Immunofluorescence on Paraffin sections: 1/50-1/200. Immunoprecipitation: 1/50-1/200. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide, corresponding to amino acids 131-180 of Human c-Jun. |
| Specificity: | This antibody detects endogenous levels of AP-1 / c-Jun protein (region surrounding His164). |
| Formulation: | Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15mM sodium azide |
| Concentration: | 1.0 mg/ml |
| Purification: | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE) |
| 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 kD |
| Gene Name: | Jun proto-oncogene, AP-1 transcription factor subunit |
| Database Link: | Entrez Gene 3725 Human P05412 |



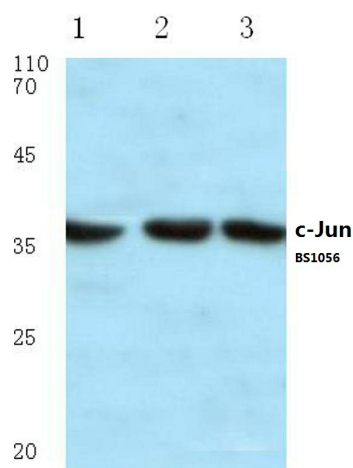
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Background:

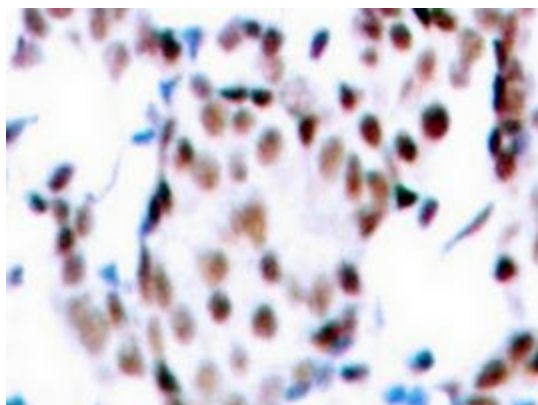
The c-Jun proto-oncogene was first identified as the cellular homolog of the avian sarcoma virus v-Jun oncogene. The c-Jun protein, along with c-Fos, is a component of the AP-1 transcriptional complex. c-Jun can form either Jun/Jun homodimers or Jun/Fos heterodimers via the leucine repeats in both proteins. Homo- and heterodimers bind to the TGACTCA consensus sequence present in numerous promoters and initially identified as the phorbol ester tumor promoter response element (TRE). Two additional genes, Jun B and Jun D, have been shown to be almost identical to c-Jun in their C-terminal regions, which are involved in dimerization and DNA binding, whereas their N-terminal domains, which are involved in transcriptional activation, diverge. All three form heterodimers among themselves and with c-Fos and other members of the Fos gene family.

Synonyms:

Transcription factor AP1

Product images:


Western blot (WB) analysis of c-Jun antibody at 1/500 dilution Lane 1: Hela whole cell lysate Lane 2: Mouse kidney tissue lysate Lane 3: PC12 whole cell lysate treated with UV



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using AP-1 / c-Jun antibody.