

For Research Use Only

AP1, JUN, P39 Polyclonal antibody



Catalog Number: 10024-2-AP

Featured Product

27 Publications

Basic Information

Catalog Number:

10024-2-AP

Size:

150UL, Concentration: 293 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC002646

GeneID (NCBI):

3725

Full Name:

jun oncogene

Calculated MW:

331 aa, 36 kDa

Observed MW:

36 kDa, 40-45 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Background Information

JUN is also named as c-Jun and AP1, belongs to the bZIP family and Jun subfamily. JUN, the most extensively studied protein of the activator protein-1 (AP-1) complex, is involved in numerous cell activities, such as proliferation, apoptosis, survival, tumorigenesis and tissue morphogenesis[PMID: 22180088]. JUN is a transcription factor that recognizes and binds to the enhancer heptamer motif 5'-TGA[CG]TCA-3'. It promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation. JUN is a basic leucine zipper (bZIP) transcription factor that acts as homo- or heterodimer, binding to DNA and regulating gene transcription[PMID: 9732876]. In addition, extracellular signals can induce post-translational modifications of JUN, resulting in altered transcriptional activity and target gene expression[PMID:8464713]. More over, it has uncovered multiple layers of a complex regulatory scheme in which JUN is able to crosstalk, amplify and integrate different signals for tissue development and disease. Jun is predominantly nuclear, ubiquitinated Jun colocalizes with lysosomal proteins[PMID: 15469925]. This antibody is a rabbit polyclonal antibody raised against a region of human JUN. Both phosphorylated (p-c-Jun) and unphosphorylated forms of c-Jun, with sizes of 42-45 kDa and 36-39 kDa, respectively are obtain in some experiments. (PMID: 17210646)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|-----------------|-------------|
| Xufeng Tao | 25083618 | Transplantation | WB |
| Thomas W Hanigan | 28943357 | Cell Chem Biol | WB |
| Siyuan Chen | 30224386 | J Exp Med | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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Selected Validation Data