

For Research Use Only

Phospho-JUN (Ser73) Recombinant antibody



Catalog Number: 80086-1-RR

Basic Information

Catalog Number:

80086-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC068522

GeneID (NCBI):

3725

UNIPROT ID:

P05412

Full Name:

jun oncogene

Calculated MW:

331 aa, 36 kDa

Observed MW:

42-45 kDa

Purification Method:

Protein A purification

CloneNo.:

4A18

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB : UV treated NIH/3T3 cells,

Background Information

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).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% 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:

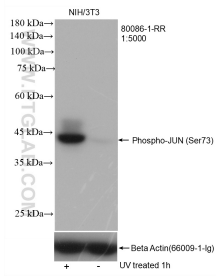
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Selected Validation Data



UV treated and non-treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80086-1-RR (Phospho-JUN (Ser73) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin antibody (66009-1-Ig) as loading control.