

For Research Use Only

CoraLite® Plus 750-conjugated Phospho-JUN (Ser73) Recombinant antibody

Catalog Number: CL750-80086



Basic Information

Catalog Number:

CL750-80086

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 1:500-1:1000

**Excitation/Emission maxima
wavelengths:**

755 nm / 780 nm

Applications

Tested Applications:

WB

Species Specificity:

human, mouse

Positive Controls:

WB : SH-SY5Y 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). This antibody is raised against synthetic phosphopeptide corresponding to residues surrounding Ser73 of human JUN, which can detect the bands around 42-45 kDa.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

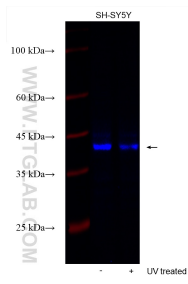
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL750-80086 (Phospho-JUN (Ser73) antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.