

# AbboMax, Inc

Innovation at Work

## Rabbit anti Phospho-c-Jun (pSer<sup>63</sup>)

**Alternate Names:** Transcription factor c-Jun; v-Jun sarcoma virus 17-oncogene, JUN/AP1; AH119

### Order Information

Description: Rabbit anti c-Jun (pS63)  
Catalogue#: 601-330  
Lot#: See the label  
Size: 100 ug/200 ul  
Host: Rabbit  
Clone: N/A  
Application: ELISA, WB, IHC  
Reactivity: Hu, Rt, Ms, Bv, Dg

### ANTIGEN PREPARATION

A synthetic peptide corresponding to the epitope -LTSPD- at a phosphorylation site at serine 63 of human c-Jun protein. This sequence is identical within human, rat, mouse, bovine and dog.

### BACKGROUND

c-Jun, also known as AP1, v-Jun or AH119, is a component of the transcription factor AP-1, which binds and activates transcription at TRE/AP-1 elements. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63 and Ser73 as well as Thr 91 and Thr93. Extracellular signals including growth factors, transforming oncoproteins and UV irradiation stimulate phosphorylation of c-Jun at Ser63/73 and activate c-Jun-dependent transcription. The MAP kinase homologue SAPK/JNK binds to the amino-terminal region of c-Jun and phosphorylates c-Jun at Ser63/73 and Thr91/93.

### PURIFICATION

The Rabbit IgG is purified by Site-specific Epitope Affinity Purification.

### SPECIFICITY

This antibody recognizes ~48 kDa of human c-Jun protein. It does not recognize non-phosphorylated peptides. This antibody also reacts with mouse and rat. The other species are not tested.

### FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

### STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

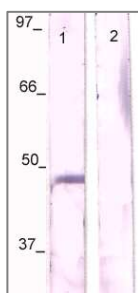
### APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	Not tested µg/ml
Flow cytometry	Not tested

<b>MOLECULAR WEIGHT:</b>	48 kDa
<b>POSITIVE CONTROL:</b>	UV treated 3T3 cells
<b>CELLULAR LOCATION:</b>	N/A

Optimal dilutions should be determined by researchers for the specific applications.

### DATA ATTACHMENTS



**WB:** The cell lysate derived from UV treated 3T3 cells was immunoprobed by Rabbit anti-c-Jun (pS63) (Cat#601-330) at 1:500. An immunoreactive band is observed around ~48kDa (lane 1). This band is blocked by pre-incubation with immunizing peptide (Lane 2)

### REFERENCES:

Yuanbin Xie, et al. Indirubin-3'-oxime inhibits c-Jun NH<sub>2</sub>-terminal kinase: anti-apoptotic effect in cerebellar granule neurons (2004) Neuroscience Letters, 367(3), 355-359.

**FOR RESEARCH USE ONLY.**

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