

## c- Jun Polyclonal Antibody

**CATALOG #:** 3702-100

**AMOUNT:** 100 µg

**HOST:** Rabbit

### FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-c-Jun polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

**SPECIES REACTIVITY:** Human, Mouse, Rat

### STORAGE CONDITIONS:

Store at -20° C. For long-term storage, aliquot and freeze at -70° C. Avoid repeated freeze/thaw cycles.

### BACKGROUND:

Extracellular stimuli such as growth factors and UV irradiation stimulate phosphorylation of c-Jun at Ser63/73 and activate c-Jun dependent transcription. Mutation at Ser63/73 renders c-Jun nonresponsive to mitogenic and stress induced signaling pathways. JNK (c-Jun N-terminal Kinase) binds to the N-terminal region of c-Jun and phosphorylates c-Jun at Ser63/73. The activity of JNK is stimulated by the same signals that activate c-Jun.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-2 µg/ml) and immunohistochemistry (20-40 µg/ml). However, the optimal conditions should be determined individually.

### SPECIFICITY:

The antibody only recognizes c-Jun, and will not detect the endogenous levels of Jun B or Jun D.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

#### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

#### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies