

Phospho-JNK/SAPK Polyclonal Antibody

CATALOG #: 3589-100

AMOUNT: 100 µg

LOT #: _____

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-phospho-JNK/SAPK polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide.

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:

The JNK pathway is activated by largely distinct stimuli including inflammatory cytokines (such as TNF- α and IL-1), UV light, inhibitors of protein synthesis and osmotic stress. Activated MEKK1 phosphorylates SEK1 (also known as MKK4), which in turn activates SAPK (also known as JNK). JNK binds tightly to the N-terminal region of c-Jun and ATF-2, and phosphorylates c-Jun at Ser63 and Ser73 and ATF-2 at Thr69 and Thr71.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (1-2 µg/ml), immunoprecipitation (10-20 µg/ml), immunocytochemistry (10-20 µg/ml), and immunohistochemistry (20-30 µg/ml). However, the optimal conditions should be determined individually.

SPECIFICITY:

The antibody detects the p46 and p54 JNK/SAPK dually phosphorylated at Thr183 and Tyr185.

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
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies