

Phospho-MSK1 (Thr581) Polyclonal Antibody

CATALOG #: 3278-100

AMOUNT: 100 µg

LOT #: _____

SOURCE: Rabbit

FORMULATION:

100 µg (0.5 mg/ml) affinity-purified rabbit anti-Phospho-MSK1(Thr581) polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide.

STORAGE CONDITIONS:

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

SPECIES REACTIVITY: human, mouse

BACKGROUND DESCRIPTION:

MSK1, a Mitogen and Stress activated protein Kinase, is activated by ERK as well as p38 MAPK in response to growth factors and various cellular stress stimuli. MSK1 resembles RSK by having two kinase domains connected by a regulator linker region. Phosphorylation of RSK1 at Ser 364, Ser381 and Thr574 is critical for RSK1 activity. These sites are analogous to Ser360, Ser376 and Thr581 of MSK1 and maybe important for MSK1 activity as well.

APPLICATION AND USAGE:

The antibody can be used for Western blot (1-2 µg/ml). However, the optimal conditions should be determined individually.

SPECIFICITY:

Phospho-MSK1(Thr581) detects 90 kDa MSK1 only when phosphorylated at Thr581. The antibody does not cross-react with nonphosphorylated MSK1 or MSK1 phosphorylated at other sites. It does not cross-react with RSK1, RSK2 or RSK3.

NOTE: For research purpose only! Not to be used in human.

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