

Mek6 Polyclonal Antibody

CATALOG #:	3436-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide corresponding to the C-terminus of human Mek6
SPECIES REACTIVITY:	human, mouse, rat

FORMULATION:

100 µg (0.5 mg/ml) immunoaffinity purified rabbit anti-Mek6 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.

BACKGROUND DESCRIPTION:

MAP kinase kinase 6 (Mek6/MKK6) is a 38 kDa dual-specificity protein kinase that is abundant in skeletal muscle and is activated by UV light, anisomycin, osmotic shock and inflammatory cytokines, but not by phorbol esters, NGF or EGF. Mek6 phosphorylates and activates MAP kinase such as p38 and p38 beta. Mek6 is phosphorylated and activated by ASK1, a MAPKKK that induces apoptosis when overexpressed. Mek6 also interacts with mixed lineage kinase-3 (MLK-3), a kinase that participates in stress response kinase cascade, possibly by phosphorylating MKK4, an isoform of Mek6.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (1-4 µg/ml) and immunoprecipitation (4-20 µg/ml). However, the optimal conditions should be determined individually.

SPECIFICITY:

The immunoaffinity-purified rabbit antibody recognizes 38 kDa Mek6 on SDS-PAGE immunoblots, in samples of human, mouse and rat origins. The antibody specificity is confirmed by specific peptide inhibition in immunoblotting.

USAGE: For Research Purpose Only.

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