

# Mek2 Polyclonal Antibody

**CATALOG #:** 3351-100  
**AMOUNT:** 100 µg  
**LOT #:** \_\_\_\_\_  
**HOST:** Rabbit  
**SPECIES REACTIVITY:** human, mouse, rat

**FORMULATION:**

100 µg (0.2 mg/ml) affinity purified rabbit anti-Mek2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

**STORAGE CONDITIONS:**

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

**BACKGROUND DESCRIPTION:**

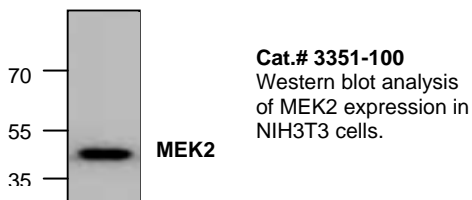
Mek Family contains at least 7 members. Mek1 (also called MAP kinase kinase) specifically phosphorylates the MAP kinase regulatory threonine and tyrosine residues present in Erk. A second Mek family member, Mek2, resembles Mek1 in its substrate specificity. Mek3 functions to activate p38 MAP kinase. Mek4 activates both p38 and JNK MAP kinases. Mek5 specifically phosphorylates Erk5. Mek6 phosphorylates p38 and p38. Mek7 phosphorylates and activates the JNK signal transduction pathway.

**APPLICATION AND USAGE:**

The antibody can be used for Western blot analysis (1-4 µg/ml), immunoprecipitation (5-10 µg/ml), and immunohistochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually.

**SPECIFICITY:**

The immunoaffinity-purified rabbit antibody recognizes a 45 kDa protein, corresponding to the apparent molecular weight of Mek2 on SDS-PAGE immunoblots in samples of human, mouse, rat origins. Jurkat or NIH3T3 cell lysate can be used as a positive control.

**RELATED PRODUCTS:**

## Apoptosis Detection Kits &amp; 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 &amp; 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 &amp; Repair

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

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

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

## Molecular Biology &amp; Reporter Assays

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- 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