

Zip Kinase Polyclonal Antibody

CATALOG #: 3069-100

AMOUNT: 100 µg

LOT #: _____

HOST: Rabbit

IMMUNOGEN: Synthetic peptide corresponding to residues surrounding amino acids 282 of human ZIP kinase.

FORMULATION:

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

REACTIVITY: human, mouse, rat

STORAGE:

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

BACKGROUND DESCRIPTION:

Zip Kinase is a 52 kDa serine/threonine kinase that mediates apoptosis. It contains a catalytic domain and a C-terminal leucine zipper motif. The leucine zipper is important for interaction with ATF-4, a member of the ATF/CREB family. Zip kinase has high sequence homology with DAP kinase (death-associated protein kinase), which is a mediator of apoptosis induced by γ -interferon. Overexpression of Zip kinase induces apoptosis.

SPECIFICITY:

The immunoaffinity-purified antibody detects 52 kDa bands, corresponding to the apparent molecular mass of Zip kinase on SDS-PAGE immunoblots.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis. We recommend using 1-4 µg/ml for Western blot analysis. However, the optimal conditions should be determined individually.

For Research Use only! Not to be used in human subjects!

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