

Caspase-7 Polyclonal Antibody

CATALOG #: 3024-100

AMOUNT: 100 µg

LOT #: _____

HOST: Rabbit

IMMUNOGEN:

Synthetic peptide corresponding to amino acid residues surrounding the cleavage site of mouse caspase-7 (ID# BV-3)

FORMULATION:

100 µg (0.2 mg/ml) Protein A purified rabbit anti-caspase-7 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

SPECIES REACTIVITY: human, mouse, rat, hamster, monkey, rabbit, dog, pig, sheep

STORAGE CONDITIONS:

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

BACKGROUND:

Caspase family of cysteine proteases play a key role in apoptosis. Caspase-7 (also known as Mch3 β , LAP3, CMH1) is a 34 kDa protein consisting of two subunits and a short prodomain. The procaspase-7 can be activated by cleavage by upstream caspases to form active caspase-7 in apoptosis induced by a variety of reagents. *In vitro*, caspase-7 can be activated by Mch4, a ced3 homolog that contains two FADD-like death effector domains. Caspase-7 has been shown involving in the proteolysis of sterol regulatory element binding proteins (SREBPs).

SPECIFICITY:

The antibody detects a 34 kDa procaspase-7 and the cleaved fragment of caspase-7. The antibody specificity has been confirmed by peptide inhibition studies.

APPLICATION AND USAGE:

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

NOTE: For research use 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