

Active Caspase-7 Polyclonal Antibody

CATALOG #: 3147-100
AMOUNT: 100 µg
LOT #: _____
HOST: Rabbit
IMMUNOGEN: Synthetic peptide surrounding amino acid 195 of human caspase-7 (ID# BV-3-4)
SPECIES REACTIVITY: human, mouse, rat

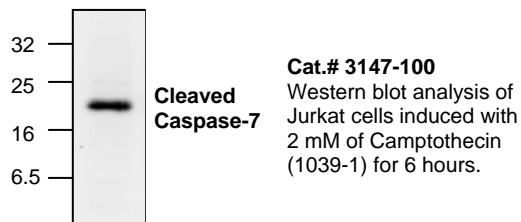
FORMULATION:
 100 µg (0.2 mg/ml) affinity purified rabbit anti-Active caspase-7 antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% thimerosal

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

DESCRIPTION:
 Caspase-7 has been identified as a major contributor to the execution of apoptosis. Caspase-7 is cleaved by many enzymes, including caspase-3, -6, -8, -9 and granzyme B. Active caspase-7 consists of a heterotetramer of two large and two small subunits. As an effector caspase, caspase-7 cleaves many of the same substrates as caspase-3, including poly (ADP-ribose) polymerase (PARP). The active caspase-7 antibody provides a new tool for identifying apoptotic cell populations in both tissue sections and cultured cells.

SPECIFICITY:
 The antibody detects only the large subunit of cleaved caspase-7. The antibody does not recognize full length of caspase-7 or other caspases.

APPLICATION AND USAGE:
 The antibody can be used for Western blotting (0.5-4 µg/ml), immunoprecipitation (10-20 µg/ml), and immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3147BP-50) is available separately.



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