

## Active Caspase-9 Polyclonal Antibody

<b>CATALOG #:</b>	3149-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide mapping to the N-terminus adjacent to Asp330 of human caspase-9
<b>SPECIES REACTIVITY:</b>	Human

### FORMULATION:

100 µg (0.2 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 0.5% 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:

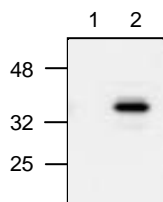
Caspases are synthesized as inactive pro-enzymes that are processed to active form in cells undergoing apoptosis. Caspase-9 is an important member of the caspase family. Upon induction of apoptosis, Cytochrome c released from mitochondria associates with pro-caspase-9 (47 kDa) and Apaf-1. The complex processes pro-caspase-9 into a large subunit (37 kDa/17 kDa) and a small subunit (10 kDa). Cleaved caspase-9 further processes other caspases including caspase-3 and caspase-6, to initiate a caspase cascade leading to apoptosis. The affinity purified antibody recognizing the active forms of caspase-9 provides a new tool for identifying apoptotic cell populations in both tissue sections and cultured cells.

### SPECIFICITY:

The anti-active caspase-9 antibody recognizes only the cleaved caspase-9 (37 kDa). It does not recognize full-length caspase-9 or any other caspases.

### APPLICATION AND USAGE:

Western blotting (0.5-4 µg/ml), immunoprecipitation (10-20 µg/ml), and Immunocytochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually.



**Cleaved  
Caspase-9**

**Cat.# 3149-100**  
Western blot analysis with  
Jurkat cell lysate.  
Lane 1: Untreated;  
Lane 2: Etoposide treated.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### 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