

Active Caspase-5 Polyclonal Antibody

CATALOG NO:	3029-30T 3029-100	30 µg (Trial size) 100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acids 162 of human caspase-5 (ID# BV-29).	
SPECIES REACTIVITY:	Human, Mouse, Rat, Rabbit, Monkey, Bovine, Hamster	

FORMULATION:

0.2 mg/ml affinity purified rabbit anti-caspase-5 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

STORAGE CONDITIONS:

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

BACKGROUND:

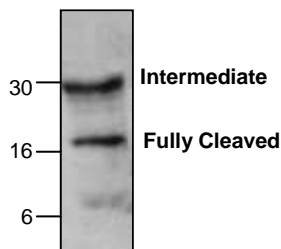
Caspase family of cysteine proteases has been shown to play a key role in apoptosis. Caspase-5 is also known as Ich-3 and ICE_{ter}-III and can be proteolytically processed by granzyme B. Over expression of caspase-5 induces apoptosis in Rat-1 and HeLa cells, which can be inhibited by CrmA and Bcl-2.

SPECIFICITY:

The affinity purified antibody preferentially detects the intermediate (32 kDa) and the fully (20 kDa) cleaved caspase-5.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3029BP-50) is available separately.



Cat.# 3029-100

Western blot analysis of Caspase-5 in rat kidney tissue lysate. Caspase-5 intermediate (30 kDa) and full cleaved (20 kDa) fragments were detected.

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