

# Calpain-6 Polyclonal Antibody

<b>CATALOG #:</b>	3376-100
<b>AMOUNT:</b>	100 $\mu$ l
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide mapping to domain I of human Calpain-6 large subunit

**FORMULATION:**

100  $\mu$ l peptide affinity purified rabbit polyclonal anti-calpain-6 antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% thimerosal

**SPECIES REACTIVITY:** human, mouse, rat

**STORAGE CONDITIONS:**

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

**DESCRIPTION:**

Calpains are cytosolic, calcium-dependent, cysteine proteases that are ubiquitously expressed in mammalian and avian tissues. Calpain-1 and 2 consist of a common small subunit and a large variable subunit. Domains in the large subunit include the amino terminal domain I, the proteinase domain II, domain III, and the EF-hand domain IV. Calpain-6 is an intracellular calcium-dependent cysteine protease, which lacks the EF-hand calcium-binding motif of domain IV.

**SPECIFICITY:**

The anti-calpain-6 antibody recognizes the 75 kDa and 58 kDa of Calpain-6, as well as several smaller cleavage products. It does not cross-react with other calpains.

**APPLICATION:**

The antibody can be used for Western blotting at 1:500-2000 dilutions. However, the optimal concentrations should be determined individually.

**USAGE:** For Research Use Only. Not to be used in human.

**RELATED PRODUCTS:**

## Apoptosis Detection Kits &amp; 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 &amp; 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 &amp; 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 &amp; Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

## Molecular Biology &amp; 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
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

## Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies