

## Calpain-2 Polyclonal Antibody

**CATALOG NO:** 3372-30T 30 µg (Trial size)  
3372-100 100 µg

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide mapping to the C-terminus of the domain III of human Calpain-2 large subunit

**SPECIES REACTIVITY:** Human, Mouse, Rat

### FORMULATION:

Affinity purified rabbit polyclonal anti-calpain-2 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/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. Type I calpain requires micromolar amounts of calcium, while type II calpain requires millimolar amounts of calcium.

### SPECIFICITY:

The anti-calpain-2 antibody recognizes the 80 kDa Calpain-2. It does not cross-react with other calpains.

### APPLICATION:

The antibody can be used for Western blotting (1:200-1000 dilutions). However, the optimal concentrations should be determined individually.

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

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