

## Calpain 1 Polyclonal Antibody

<b>CATALOG NO:</b>	3189-30T	30 µg (Trial size)
	3189-100	100 µg
<b>HOST:</b>	Rabbit	
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 700 of rat Calpain 1	
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat, Bovine, Pig, Rabbit	

### FORMULATION:

0.5 mg/ml affinity purified rabbit anti-calpain 1 (large subunit) antibody in phosphate-buffered saline (PBS) 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.

### DESCRIPTION:

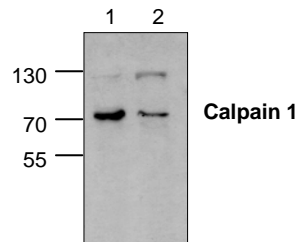
Calpains are cytosolic, calcium-dependent, cysteine proteases that are ubiquitously expressed in mammalian and avian tissues. Type I calpain requires micromolar amounts of calcium, while type II calpain requires millimolar amounts of calcium.

### SPECIFICITY:

The anti-calpain 1 antibody recognizes the large subunit (80 kDa) of human Calpain 1. It does not recognize the smaller subunit of human Calpain 1.

### APPLICATION:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3189BP-50) is available separately.



**Cat. # 3189-100**  
Western blot analysis of Calpain 1 expression in lysate from Jurkat cells treated with (Lane 2) or without (Lane 1) camptothecin.

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

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