

Calpain I Polyclonal Antibody

CATALOG #:	3189-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 700 of rat Calpain I (Internal ID# BV-539)
SPECIES REACTIVITY:	human, mouse, rat, bovine, pig, rabbit

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-calpain I (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/defrost cycles.

DESCRIPTION:

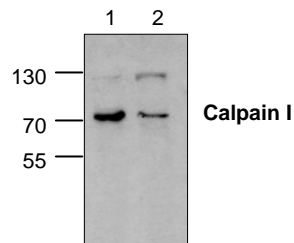
Calpains are cytosolic, calcium-dependent, cysteine proteases that are ubiquitously expressed in mammalian and avian tissues. Type I calpain requires micromolar amounts of calcium, while type II calpain requires millimolar amounts of calcium.

SPECIFICITY:

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

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 I expression in lysate from Jurkat cells treated with (Lane 2) or without (Lane 1) camptothecin.

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