

Calpain-5 Polyclonal Antibody

CATALOG #: 3375-100

AMOUNT: 100 μ l

LOT #: _____

HOST: Rabbit

IMMUNOGEN: Synthetic peptide mapping to domain II of human Calpain-5 large subunit

FORMULATION:

100 μ l peptide affinity purified rabbit polyclonal anti-calpain-5 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-5 is an intracellular calcium-dependent cysteine protease, which lacks the EF-hand calcium-binding motif of domain IV.

SPECIFICITY:

The anti-calpain-5 antibody recognizes the 73 kDa and 58 kDa of Calpain-5, 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.

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