

Calpain 1 polyclonal antibody

Catalog: BZ01772

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Calpain 1, also designated μ -calpain, is an intracellular calcium-dependent protease that cleaves cyto-skeletal and submembranous proteins. Calpains are nonlysosomal, calcium-activated intracellular cysteine proteases. Calpains mediate specific Ca^{2+} -dependent processes including cell fusion, mitosis and meiosis. Calpains are heterodimers of a small regulatory subunit and one of three large catalytic subunits, designated Calpain 1, Calpain 2 and Calpain p94. Calpain-1 co-localizes with human leukocyte antigen-DR (HLA-DR) on activated microglia in the aging brain. Calpain influences the process of spermatogenesis and the events preceding fertilization, such as the acrosome reaction.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 82 kDa

Swiss-Prot:

P07384

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500-1:2000

ICC: 1:50-1:200

IHC: 1:50-1:200

FCM: 1:100

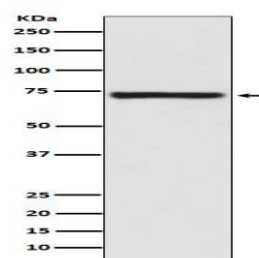
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Calpain 1 Antibody detects endogenous levels of total Calpain 1.

DATA:



Western blot analysis of Calpain 1 expression in Human fetal kidney lysate.

Note:

For research use only, not for use in diagnostic procedure.

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