

Calpain 2 (K354) polyclonal antibody

Catalog: BS3696

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Mu Calpain, and m calpain, also known as Calpain 2, are intracellular, calcium dependent cysteine proteases. Mu calpain has a micromolar sensitivity (thus the mu) as compared to the millimolar calcium sensitivity of m calpain. Both Calpains 1 and 2 are composed of an 80 kD subunit and a 30 kD subunit. Whereas the 30 kDa subunit is shared by both enzymes, the larger catalytic subunits are different and exhibit the distinct Ca^{++} requirements that are suggested by their names.

Product:

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

Molecular Weight:

~ 80 kDa

Swiss-Prot:

P17655

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: 1:500~1:1000

IHC: 1:50~1:200

Storage&Stability:

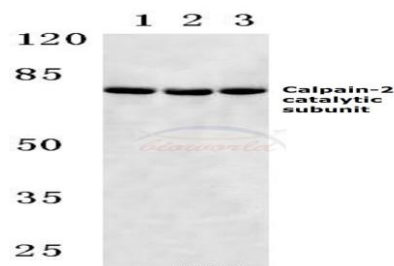
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Calpain 2 (K354) polyclonal antibody detects endogenous

levels of Calpain-2 catalytic subunit protein.

DATA:

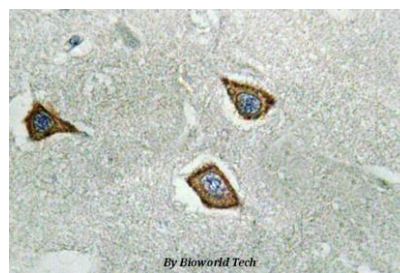


Western blot (WB) analysis of Calpain 2 (K354) polyclonal antibody at 1:500 dilution

Lane1: Jurkat cell lysate

Lane2: NIH-3T3 cell lysate

Lane3: Rat kidney tissue lysate



Immunohistochemistry (IHC) analysis of Calpain 2 (K354) pAb in paraffin-embedded human brain tissue.

Note:

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

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