

Calpain 1 Rabbit mAb

Catalog No.: A8710 **Recombinant** **2 Publications**

Basic Information

Observed MW

75kDa

Calculated MW

82kDa

Category

Primary antibody

Applications

ELISA,WB,IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC1272

Background

The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 1. Several transcript variants encoding two different isoforms have been found for this gene.

Recommended Dilutions

WB	1:500 -1:1000
IF/ICC	1:50 -1:200

Immunogen Information

Gene ID

823

Swiss Prot

P07384

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 100-200 of human Calpain 1 (P07384).

Synonyms

CANP; muCL; CANP1; SPG76; CANPL1; muCANP; Calpain 1

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

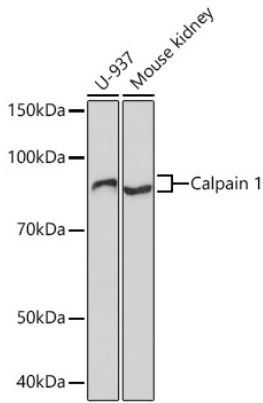
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Calpain 1 Rabbit mAb (A8710) at 1:1000 dilution.

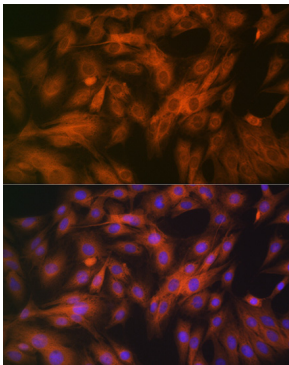
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

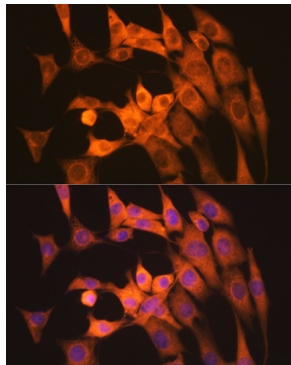
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3min.



Immunofluorescence analysis of C6 cells using Calpain 1 Rabbit mAb (A8710) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Calpain 1 Rabbit mAb (A8710) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.