

## Calpain 1 Monoclonal Antibody

**CAB8710**

### Description

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This Calpain 1 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:**

CAB8710

**Contents:**

20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:**

Monoclonal Antibody

**Synonyms:**

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

**Clone:**

ARC1272

**Applications:**

WB | IF/ICC | ELISA

**Conjugation:**

Unconjugated

**Reactivity:**

Human, Mouse, Rat

### Antibody Data

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**Gene ID:** 823

**Uniprot:** AB\_2863593

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 80 kDa

**Calculated MW:** 82 kDa

## Preparation & Storage

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**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** U-937, Mouse kidney

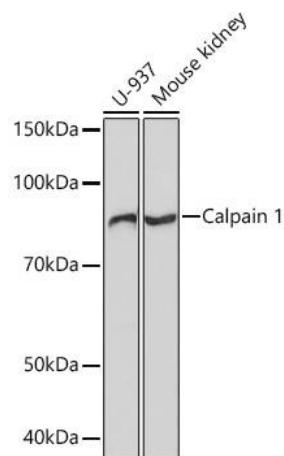
**Recommended Dilutions:**

WB	1:500 -1:1000
IF/ICC	1:50 -1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

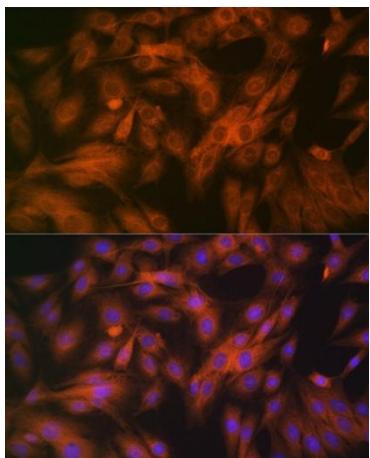
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

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Western blot analysis of various lysates using Calpain 1 Rabbit mAb (CAB8710) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3min.



Immunofluorescence analysis of cells using Calpain 1 Rabbit mAb (CAB8710) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.