

Calpain 1I Blocking Peptide
Catalog # PBV10074b**Specification**

Calpain 1I Blocking Peptide - Product Information

Primary Accession	P97571
Gene ID	29153
Calculated MW	82119

Calpain 1I Blocking Peptide - Additional Information**Gene ID** 29153**Application & Usage**

The peptide is used for blocking the antibody activity of Calpain 1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Calpain-1 catalytic subunit, 3.4.22.52, Calcium-activated neutral proteinase 1, CANP 1, Calpain mu-type, Calpain-1 large subunit, Micromolar-calpain, muCANP, Capn1, Cls1

Target/Specificity

Calpain 1

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Calpain 1I Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Calpain 1I Blocking Peptide - Protein Information**Name** Capn1 {ECO:0000312|RGD:2267}**Function**

Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. Proteolytically cleaves CTBP1 at 'Asn-364', 'Gly-377' and 'His-399'. Cleaves and activates caspase-7 (CASP7).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P07384}. Cell membrane {ECO:0000250|UniProtKB:P07384}.
Note=Translocates to the plasma membrane upon Ca(2+) binding.
{ECO:0000250|UniProtKB:P07384}

Calpain 1I Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Calpain 1I Blocking Peptide - Images