

Calpain-2 Blocking Peptide
Catalog # PBV10157b**Specification**

Calpain-2 Blocking Peptide - Product Information

Primary Accession	P17655
Other Accession	NP_001739
Gene ID	824
Calculated MW	79995

Calpain-2 Blocking Peptide - Additional Information**Gene ID** 824**Application & Usage**

The peptide is used for blocking the antibody activity of Calpain 2. 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-2 catalytic subunit, 3.4.22.53, Calcium-activated neutral proteinase 2, CANP 2, Calpain M-type, Calpain large polypeptide L2, Calpain-2 large subunit, Millimolar-calpain, M-calpain, CAPN2, CANPL2

Target/Specificity

Calpain-2

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-2 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Calpain-2 Blocking Peptide - Protein Information**Name** CAPN2**Synonyms** CANPL2

Function

Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. Proteolytically cleaves MYOC at 'Arg-226' (PubMed:17650508). Proteolytically cleaves CPEB3 following neuronal stimulation which abolishes CPEB3 translational repressor activity, leading to translation of CPEB3 target mRNAs (By similarity).

Cellular Location

Cytoplasm. Cell membrane. Note=Translocates to the plasma membrane upon Ca(2+) binding

Tissue Location

Ubiquitous.

Calpain-2 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-2 Blocking Peptide - Images