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# CAPN2 Blocking Peptide (Center)

**Synthetic peptide**
**Catalog # BP21463c**

## Specification

### CAPN2 Blocking Peptide (Center) - Product Information

Primary Accession P17655

### CAPN2 Blocking Peptide (Center) - Additional Information

**Gene ID** 824

**Other Names**
Calpain-2 catalytic subunit, 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**
The synthetic peptide sequence is selected from aa 301-315 of HUMAN CAPN2

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### CAPN2 Blocking Peptide (Center) - 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:<a href="http://www.uniprot.org/citations/17650508" target="_blank">17650508</a>). 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.

## CAPN2 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

## CAPN2 Blocking Peptide (Center) - Images

## CAPN2 Blocking Peptide (Center) - Background

Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. Proteolytically cleaves MYOC at 'Arg-226' (PubMed:17650508).

## CAPN2 Blocking Peptide (Center) - References

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Hata A.,et al.J. Biol. Chem. 264:6404-6411(1989).