

CAPN2 Blocking Peptide (N-Term)
Synthetic peptide
Catalog # BP21462a**Specification****CAPN2 Blocking Peptide (N-Term) - Product Information**Primary Accession [P17655](#)**CAPN2 Blocking Peptide (N-Term) - 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 10-23 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 (N-Term) - Protein Information**Name** CAPN2**Synonyms** CANPL2**Function****CAPN2 Blocking Peptide (N-Term) - 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 (N-Term) - References

Imajoh S.,et al.Biochemistry
27:8122-8128(1988).
Ye Z.,et al.Biochem. Biophys. Res. Commun.
275:223-227(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Hata A.,et al.J. Biol. Chem.
264:6404-6411(1989).

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.

**CAPN2 Blocking Peptide (N-Term) -
Protocols**

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

- [Blocking Peptides](#)