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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

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

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 (Center) - Protocols

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

- Blocking Peptides