

CAPN3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7309c**Specification****CAPN3 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P20807](#)**CAPN3 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 825

Other Names

Calpain-3, Calcium-activated neutral proteinase 3, CANP 3, Calpain L3, Calpain p94, Muscle-specific calcium-activated neutral protease 3, New calpain 1, nCL-1, CAPN3, CANP3, CANPL3, NCL1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7309c](/products/AP7309c) was selected from the Center region of human CAPN3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

CAPN3 Antibody (Center) Blocking Peptide - Protein Information**CAPN3 Antibody (Center) Blocking Peptide - Background**

CAPN3, a heterodimer consisting of a large and a small subunit, is a major intracellular protease, although its function has not been well established. The protein is a muscle-specific member of the calpain large subunit family that specifically binds to titin.

CAPN3 Antibody (Center) Blocking Peptide - References

Moretti,D., Del Bello,B. Carcinogenesis 30 (6), 960-967 (2009)Beckmann,J.S. and Spencer,M. Neuromuscul. Disord. 18 (12), 913-921 (2008)Kramerova,I., Kudryashova,E. Hum. Mol. Genet. 17 (21), 3271-3280 (2008)Sorimachi,H., Kinbara,K. J. Biol. Chem. 270 (52), 31158-31162 (1995)

Name CAPN3 ([HGNC:1480](#))

Synonyms CANP3, CANPL3, NCL1

Function

Calcium-regulated non-lysosomal thiol-protease. Proteolytically cleaves CTBP1 at 'His-409'. Mediates, with UTP25, the proteasome-independent degradation of p53/TP53 (PubMed:<[a href="http://www.uniprot.org/citations/23357851" target="_blank">23357851](http://www.uniprot.org/citations/23357851)>, PubMed:<[a href="http://www.uniprot.org/citations/27657329" target="_blank">27657329](http://www.uniprot.org/citations/27657329)>).

Cellular Location

Cytoplasm. Nucleus, nucleolus

Tissue Location

Isoform I is skeletal muscle specific.

**CAPN3 Antibody (Center) Blocking Peptide
- Protocols**

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

- [Blocking Peptides](#)