

**CAPN3 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9817b****Specification**

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**CAPN3 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P20807](#)**CAPN3 Antibody (C-term) 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

**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 (C-term) Blocking Peptide - Protein Information****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:&lt;a href="http://www.uniprot.org/citations/23357851" target="\_blank"&gt;23357851&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/27657329" target="\_blank"&gt;27657329&lt;/a&gt;).

**Cellular Location**

Cytoplasm. Nucleus, nucleolus

**Tissue Location**

Isoform I is skeletal muscle specific.

**CAPN3 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CAPN3 Antibody (C-term) Blocking Peptide - Images**

#### **CAPN3 Antibody (C-term) Blocking Peptide - Background**

Calpain, a heterodimer consisting of a large and a small subunit, is a major intracellular protease, although its function has not been well established. This gene encodes a muscle-specific member of the calpain large subunit family that specifically binds to titin. Mutations in this gene are associated with limb-girdle muscular dystrophies type 2A.

#### **CAPN3 Antibody (C-term) Blocking Peptide - References**

Charlton, R., et al. Neuromuscul. Disord. 19(7):449-457(2009)Moretti, D., et al. Carcinogenesis 30(6):960-967(2009)Enjuanes, A., et al. Cancer Res. 68(24):10178-10186(2008)Beckmann, J.S., et al. Neuromuscul. Disord. 18(12):913-921(2008)Shirafuji, T., et al. Rinsho Shinkeigaku 48(9):651-655(2008)Diaz, B.G., et al. J. Biol. Chem. 279(26):27656-27666(2004)