

**CAPN11 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13870c****Specification**

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**CAPN11 Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q9UMQ6](#)**CAPN11 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 11131**Other Names**

Calpain-11, 3422-, Calcium-activated neutral proteinase 11, CANP 11, CAPN11

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13870c was selected from the Center region of CAPN11. 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.

**CAPN11 Antibody (Center) Blocking peptide - Protein Information****Name** CAPN11**Function**

Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.

**Cellular Location**

Cytoplasmic vesicle, secretory vesicle, acrosome

**Tissue Location**

Highest expression in testis.

**CAPN11 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CAPN11 Antibody (Center) Blocking peptide - Images**

#### **CAPN11 Antibody (Center) Blocking peptide - Background**

Calpains constitute a family of intracellular calcium-dependent cysteine proteases. There are eight members in this superfamily. They consist of a variable 80 kDa subunit and an invariant 30 kDa subunit. This calpain protein appears to have protease activity and calcium-binding ability. A similar mouse protein may play a functional role in spermatogenesis and in the regulation of calcium-dependent signal transduction events during meiosis.

#### **CAPN11 Antibody (Center) Blocking peptide - References**

Ben-Aharon, I., et al. Mol. Reprod. Dev. 73(6):767-773(2006) Dear, T.N., et al. Genomics 59(2):243-247(1999) Rojas, F.J., et al. Mol. Hum. Reprod. 5(6):520-526(1999) Saido, T.C., et al. FASEB J. 8(11):814-822(1994) Melloni, E., et al. Trends Neurosci. 12(11):438-444(1989)