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CAPN11 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP13870c

Specification

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

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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 intracellularcalcium-dependent cysteine proteases. There are eight members inthis superfamily. They consist of a variable 80 kDa subunit and aninvariant 30 kDa subunit. This calpain protein appears to haveprotease activity and calcium-binding ability. A similar mouseprotein may play a functional role in spermatogenesis and in theregulation of calcium-dependent signal transduction events duringmeiosis.

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)