

**CAPN5 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9694c****Specification**

---

**CAPN5 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [O15484](#)

**CAPN5 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 726

**Other Names**

Calpain-5, 3422-, Calpain htra-3, New calpain 3, nCL-3, CAPN5, NCL3

**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.

**CAPN5 Antibody (Center) Blocking Peptide - Protein Information**

**Name** CAPN5

**Synonyms** NCL3

**Function**

Calcium-regulated non-lysosomal thiol-protease.

**Tissue Location**

Expressed in many tissues. Strong expression in the photoreceptor cells of the retina, with a punctate pattern of labeling over the nuclei and inner segments with less expression along the other segments and outer plexiform layer.

**CAPN5 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CAPN5 Antibody (Center) Blocking Peptide - Images**

**CAPN5 Antibody (Center) Blocking Peptide - Background**

Calpains are calcium-dependent cysteine proteases involved in signal transduction in a variety of cellular processes. A functional calpain protein consists of an invariant small subunit and 1 of a family of large subunits. CAPN5 is one of the large subunits. Unlike some of the calpains, CAPN5 and CAPN6 lack a calmodulin-like domain IV. Because of the significant similarity to *Caenorhabditis elegans* sex determination gene *tra-3*, CAPN5 is also called as HTRA3.

**CAPN5 Antibody (Center) Blocking Peptide - References**

McGeachie, M., et al. Circulation 120(24):2448-2454(2009)Need, A.C., et al. Hum. Mol. Genet. 18(23):4650-4661(2009)Penna, I., et al. Mol. Hum. Reprod. 14(10):613-618(2008)