

CAPN9 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7310a**Specification**

CAPN9 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O14815](#)**CAPN9 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10753**Other Names**

Calpain-9, 3422-, Digestive tract-specific calpain, New calpain 4, nCL-4, Protein CG36, CAPN9, NCL4

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7310a](/products/AP7310a) was selected from the N-term region of human CAPN9. 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.

CAPN9 Antibody (N-term) Blocking Peptide - Protein Information**Name** CAPN9**Synonyms** NCL4**Function**

Calcium-regulated non-lysosomal thiol-protease.

Tissue Location

Expressed predominantly in stomach.

CAPN9 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CAPN9 Antibody (N-term) Blocking Peptide - Images

CAPN9 Antibody (N-term) Blocking Peptide - Background

CAPN9 has been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The protein is expressed predominantly in stomach and small intestine and may have specialized functions in the digestive tract. This protein is thought to be associated with gastric cancer.

CAPN9 Antibody (N-term) Blocking Peptide - References

Huang,Y. and Wang,K.K. Trends Mol Med 7 (8), 355-362 (2001) Lee,H.J., Tomioka,S. Arch. Biochem. Biophys. 362 (1), 22-31 (1999) Lee,H.J., Sorimachi,H. Biol. Chem. 379 (2), 175-183 (1998) Suzuki,K., Sorimachi,H. Biol. Chem. Hoppe-Seyler 376 (9), 523-529 (1995)