

CPN1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7337a**Specification**

CPN1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P15169](#)**CPN1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 1369**Other Names**

Carboxypeptidase N catalytic chain, CPN, Anaphylatoxin inactivator, Arginine carboxypeptidase, Carboxypeptidase N polypeptide 1, Carboxypeptidase N small subunit, Kininase-1, Lysine carboxypeptidase, Plasma carboxypeptidase B, Serum carboxypeptidase N, SCPN, CPN1, ACBP

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7337a](/products/AP7337a) was selected from the N-term region of human CPN1. 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.

CPN1 Antibody (N-term) Blocking Peptide - Protein Information**Name** CPN1**Synonyms** ACBP**Function**

Protects the body from potent vasoactive and inflammatory peptides containing C-terminal Arg or Lys (such as kinins or anaphylatoxins) which are released into the circulation.

Cellular Location

Secreted, extracellular space.

Tissue Location

Synthesized in the liver and secreted in plasma.

CPN1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CPN1 Antibody (N-term) Blocking Peptide - Images

CPN1 Antibody (N-term) Blocking Peptide - Background

CPN1 is a plasma metallo-protease that cleaves basic amino acids from the C terminal of peptides and proteins. The protein is important in the regulation of peptides like kinins and anaphylatoxins, and has also been known as kininase-1 and anaphylatoxin inactivator. This protein is a tetramer comprised of two identical regulatory subunits and two identical catalytic subunits.

CPN1 Antibody (N-term) Blocking Peptide - References

Davis,D.A., Singer,K.E. Blood 105 (12), 4561-4568 (2005)Riley,D.A., Tan,F. Genomics 50 (1), 105-108 (1998)Hendriks,D., Vingron,M. Biol. Chem. Hoppe-Seyler 374 (9), 843-849 (1993)