

CPN1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12882c

Specification

CPN1 Antibody (Center) Blocking peptide - Product Information

Primary Accession [P15169](#)

CPN1 Antibody (Center) 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

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 (Center) 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 (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CPN1 Antibody (Center) Blocking peptide - Images

CPN1 Antibody (Center) Blocking peptide - Background

Carboxypeptidase N is a plasma metallo-protease that cleaves basic amino acids from the C terminal of peptides and proteins. The enzyme is important in the regulation of peptides like kinins and anaphylatoxins, and has also been known as kininase-1 and anaphylatoxin inactivator. This enzyme is a tetramer comprised of two identical regulatory subunits and two identical catalytic subunits; this gene encodes the catalytic subunit. Mutations in this gene can be associated with angioedema or chronic urticaria resulting from carboxypeptidase N deficiency. [provided by RefSeq].

CPN1 Antibody (Center) Blocking peptide - References

Speliotes, E.K., et al. Hepatology 52(3):904-912(2010) Ichikawa, S., et al. J. Bone Miner. Res. 25(8):1821-1829(2010) Du, X.Y., et al. J. Biol. Chem. 284(2):751-758(2009) Yuan, X., et al. Am. J. Hum. Genet. 83(4):520-528(2008) Skidgel, R.A., et al. Int. Immunopharmacol. 7(14):1888-1899(2007)