

CPB2 Antibody (Center E134) Blocking Peptide
Synthetic peptide
Catalog # BP6541c**Specification**

CPB2 Antibody (Center E134) Blocking Peptide - Product InformationPrimary Accession [Q96IY4](#)**CPB2 Antibody (Center E134) Blocking Peptide - Additional Information****Gene ID** 1361**Other Names**

Carboxypeptidase B2, Carboxypeptidase U, CPU, Plasma carboxypeptidase B, pCPB, Thrombin-activable fibrinolysis inhibitor, TAFI, CPB2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6541c](/products/AP6541c) was selected from the Center region of human CPB2. 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.

CPB2 Antibody (Center E134) Blocking Peptide - Protein Information**Name** CPB2**Function**

Cleaves C-terminal arginine or lysine residues from biologically active peptides such as kinins or anaphylatoxins in the circulation thereby regulating their activities. Down-regulates fibrinolysis by removing C-terminal lysine residues from fibrin that has already been partially degraded by plasmin.

Cellular Location

Secreted.

Tissue Location

Plasma; synthesized in the liver.

CPB2 Antibody (Center E134) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CPB2 Antibody (Center E134) Blocking Peptide - Images

CPB2 Antibody (Center E134) Blocking Peptide - Background

Carboxypeptidases are enzymes that hydrolyze C-terminal peptide bonds. The carboxypeptidase family includes metallo-, serine, and cysteine carboxypeptidases. According to their substrate specificity, these enzymes are referred to as carboxypeptidase A (cleaving aliphatic residues) or carboxypeptidase B (cleaving basic amino residues). CPB2 is activated by trypsin and acts on carboxypeptidase B substrates. After thrombin activation, the mature protein downregulates fibrinolysis. Polymorphisms have been described for its gene and its promoter region.

CPB2 Antibody (Center E134) Blocking Peptide - References

Valnickova,Z., J. Biol. Chem. 271 (22), 12937-12943 (1996)