

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

#### Specification

# **CPB2 Antibody (Center E134) Blocking Peptide - Product Information**

Primary Accession

<u>Q96IY4</u>

# 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 <a href=/products/AP6541c>AP6541c</a> 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.

<u>Blocking Peptides</u>

## 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)