

**ECE-1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6855c****Specification**

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**ECE-1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P42892](#)**ECE-1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1889**Other Names**

Endothelin-converting enzyme 1, ECE-1, ECE1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6855c](/products/AP6855c) was selected from the Center region of human ECE-1. 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.

**ECE-1 Antibody (Center) Blocking Peptide - Protein Information****Name** ECE1**Function**

Converts big endothelin-1 to endothelin-1.

**Cellular Location**

Cell membrane; Single-pass type II membrane protein

**Tissue Location**

All isoforms are expressed in umbilical vein endothelial cells, polynuclear neutrophils, fibroblasts, atrium cardiomyocytes and ventricles. Isoforms A, B and C are also expressed in placenta, lung, heart, adrenal gland and pheochromocytoma; isoforms A and C in liver, testis and small intestine; isoform B, C and D in endothelial cells and umbilical vein smooth muscle cells; isoforms C and D in saphenous vein cells, and isoform C in kidney

**ECE-1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ECE-1 Antibody (Center) Blocking Peptide - Images****ECE-1 Antibody (Center) Blocking Peptide - Background**

ECE-1 is involved in proteolytic processing of endothelin precursors to biologically active peptides.

**ECE-1 Antibody (Center) Blocking Peptide - References**

Cottrell, G.S., et.al., J. Biol. Chem. 284 (33), 22411-22425 (2009)