

# ECE-1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6855c

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P42892</a>
<b>Other Accession</b>	<a href="#">P42893</a> , <a href="#">Q4PZA2</a> , <a href="#">P42891</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Predicted</b>	Bovine, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB20006
<b>Calculated MW</b>	87164
<b>Antigen Region</b>	392-419

## Additional Information

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<b>Gene ID</b>	1889
<b>Other Names</b>	Endothelin-converting enzyme 1, ECE-1, ECE1
<b>Target/Specificity</b>	This ECE-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 392-419 amino acids from the Central region of human ECE-1.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	ECE-1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ECE1
<b>Function</b>	Converts big endothelin-1 to endothelin-1.
<b>Cellular Location</b>	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

## Background

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

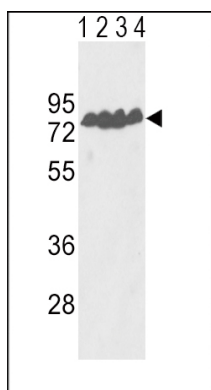
## References

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

## Images

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Western blot analysis of ECE-1 Antibody (Center) (Cat. #AP6855c) in Y79(lane 1), T47D(lane 2) cell line and mouse lung(lane 3), liver(lane 4) tissue lysates (35ug/lane). ECE-1 (arrow) was detected using the purified Pab.

## Citations

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- [Brain-Wide Insulin Resistance, Tau Phosphorylation Changes, and Hippocampal Neprilysin and Amyloid- \$\beta\$  Alterations in a Monkey Model of Type 1 Diabetes.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.