

# ECE1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6855d

## Product Information

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<b>Application</b>	WB, IHC-P, 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, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB21628
<b>Calculated MW</b>	87164
<b>Antigen Region</b>	391-420

## 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 ECE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 391-420 amino acids from the Central region of human ECE1.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 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>	ECE1 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.

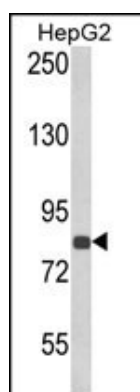
## References

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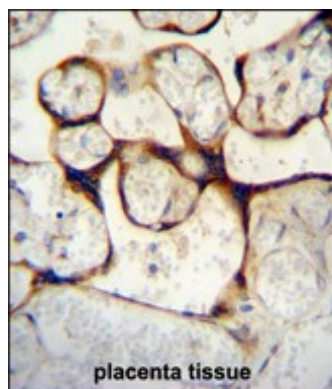
Cottrell,G.S., et.al., J. Biol. Chem. 284 (33), 22411-22425 (2009)

## Images

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Western blot analysis of ECE1 Antibody (Center) (Cat. #AP6855d) in HepG2 cell line lysates (35ug/lane). ECE1 (arrow) was detected using the purified Pab.



ECE1 Antibody (Center) (Cat. #AP6855D)immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ECE1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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