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# ECE-1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6855b

## Product Information

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|---|---|
| **Application** | WB, IHC-P, FC, E |
| **Primary Accession** | P42892 |
| **Other Accession** | P42893, Q4PZA2, P42891 |
| **Reactivity** | Human |
| **Predicted** | Bovine, Mouse, Rat, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB17841 |
| **Calculated MW** | 87164 |
| **Antigen Region** | 528-556 |

## Additional Information

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| **Gene ID** | 1889 |
| **Other Names** | Endothelin-converting enzyme 1, ECE-1, ECE1 |
| **Target/Specificity** | This ECE-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 528-556 amino acids of human ECE-1. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration. |
| **Format** | 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. |
| **Storage** | 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. |
| **Precautions** | ECE-1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | ECE1 |
| **Function** | Converts big endothelin-1 to endothelin-1. |
| **Cellular Location** | Cell membrane; Single-pass type II membrane protein |

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| **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 phaeochromocytoma; 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 |

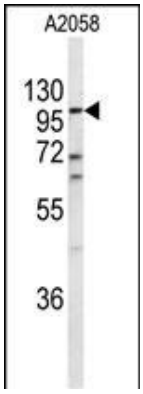
## Background

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

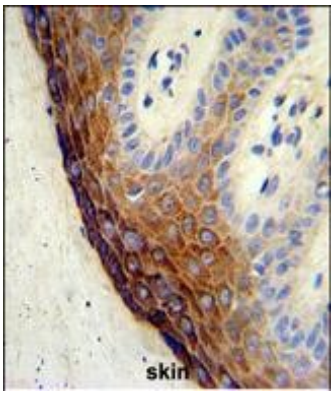
## References

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

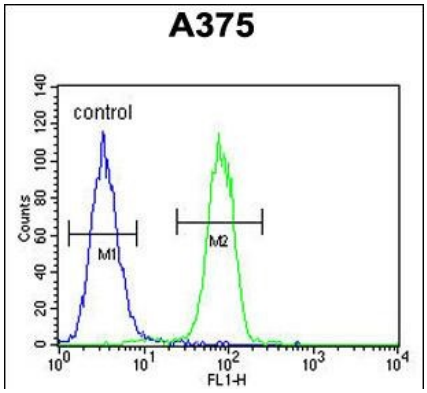
## Images




Western blot analysis of ECE-1 Antibody (C-term) (Cat. #AP6855b) in A2058 cell line lysates (35ug/lane). ECE-1 (arrow) was detected using the purified Pab.




Formalin-fixed and paraffin-embedded human skin tissue reacted with ECE-1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.




ECE-1 Antibody (C-term) (Cat. #AP6855b) flow cytometric analysis of A375 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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