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ECE-1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6855c

Product Information

Application	WB, E
Primary Accession	P42892
Other Accession	P42893, Q4PZA2, P42891
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB20006
Calculated MW	87164
Antigen Region	392-419

Additional Information

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 392-419 amino acids from the Central region of human ECE-1.
Dilution	WB~~1:1000 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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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 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

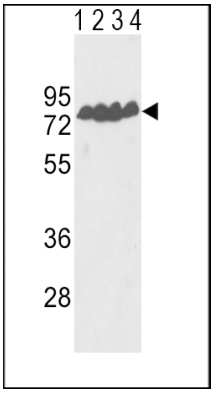
Background

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 (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

- Brain-Wide Insulin Resistance, Tau Phosphorylation Changes, and Hippocampal Neprilysin and Amyloid-β 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'.