

Rabbit ECE1 Polyclonal Antibody | anti-ECE1 antibody

ECE1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327129	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

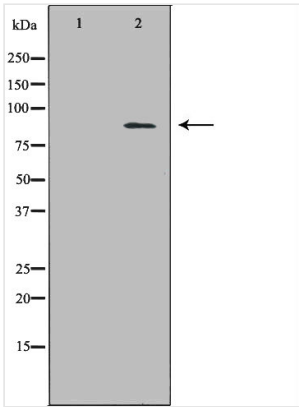
PRODUCT SYNONYMS

ECE1; Polyclonal Antibody; ECE1 Antibody; ECE 1; ECE; ECE-1; ECE1_HUMAN; Endothelin converting enzyme 1; Endothelin-converting enzyme 1; anti-ECE1 antibody

PRODUCT SPECIFICATIONS

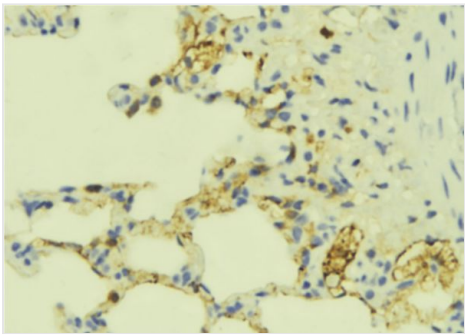
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ECE1 antibody detects endogenous levels of total ECE1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	758
Applicable Applications for anti-ECE1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ECE1
Subcellular Location	Cell Membrane. Single pass type II membrane protein.
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Huvec whole cell lysates, using ECE1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA327129 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ECE1 antibody

Description: The protein encoded by this gene is involved in proteolytic processing of endothelin precursors to biologically active peptides. Mutations in this gene are associated with Hirschsprung disease, cardiac defects and autonomic dysfunction. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.
Function: Converts big endothelin-1 to endothelin-1.
Subunit Structure: Homodimer; disulfide-linked (PubMed:18992253). Interacts with PPP1R16B (By similarity).
Similarity: Belongs to the peptidase M13 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	164519136
NCBI GeneID	1889
NCBI Accession #	NP_001106818.1
NCBI GenBank Nucleotide #	NM_001113347.1
UniProt Accession #	P42892; Q14217; Q17RN5; Q2Z2K8; Q58GE7; Q5THM5; Q5THM7; Q5THM8; Q9UJQ6; Q9UPF4; A8K3P1; B4E291
Molecular Weight	Observed: 87 kDa Predicted: 88 kDa
NCBI Official Full Name	endothelin-converting enzyme 1 isoform 3
NCBI Official Synonym Full Names	endothelin converting enzyme 1
NCBI Official Symbol	ECE1
NCBI Official Synonym Symbols	ECE
NCBI Protein Information	endothelin-converting enzyme 1
UniProt Protein Name	Endothelin-converting enzyme 1
UniProt Gene Name	ECE1
UniProt Synonym Gene Names	ECE-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

