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Rabbit Anti-ECE1 antibody

SL1190R

Product Name:	ECE1
Chinese Name:	内皮素转化酶1抗体
Alias:	ECE 1; ECE-1; Endothelin converting enzyme 1; ECE1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	85kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ECE1:665-770/770<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.[provided by RefSeq, Sep 2009].

Function:
Converts big endothelin-1 to endothelin-1.

Subunit:
Homodimer; disulfide-linked.

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.

DISEASE:
Defects in ECE1 are a cause of Hirschsprung disease cardiac defects and autonomic dysfunction (HSCRCDAD) [MIM:613870]. It is a form of Hirschsprung disease with skip-lesions defects, craniofacial abnormalities and other dysmorphic features, and autonomic dysfunction.

Similarity:
Belongs to the peptidase M13 family.

SWISS:
P42892

Gene ID:
1889

Database links:

Entrez Gene: 281133Cow

Entrez Gene: 1889Human

Entrez Gene: 230857Mouse

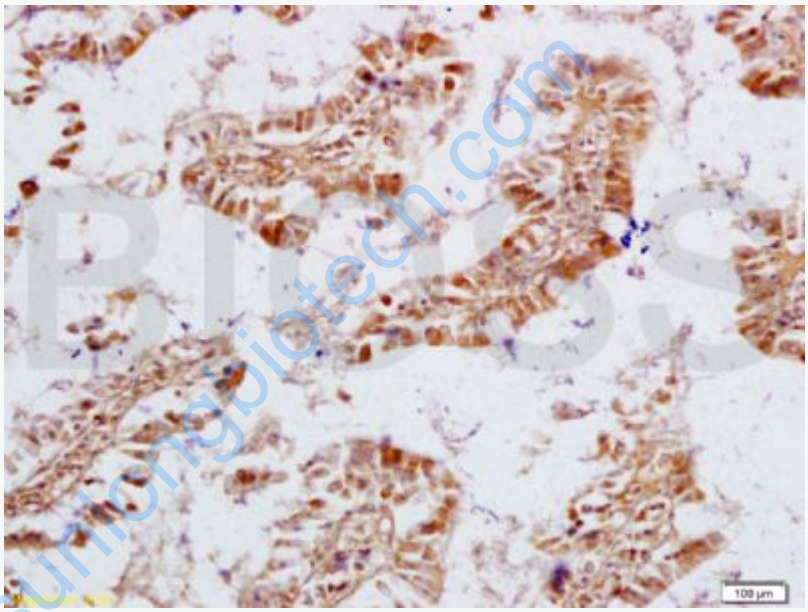
Entrez Gene: 94204Rat

Omim: 600423Human

SwissProt: P42891Cow

SwissProt: P42892Human

SwissProt: Q4PZA2Mouse

	SwissProt: P42893Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. 内皮素转化酶(endothelin—converting enzyme-1)是内皮素ET生物合成的关键酶，在体内内皮素生物活性调节上起着极为重要的作用。
Picture:	 Tissue/cell: rat intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-NPY/Neuropeptide Y Polyclonal Antibody, Unconjugated(SL1190R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining