



ECE2 Polyclonal Antibody

Catalog No	YP-Ab-07030
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	ECE2 KIAA0604 UNQ403/PRO740
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	ECE2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EEF1AKMT4;ECE2_HUMAN;ECE2;ECE-2;3.4.24.71;KIAA0604;ECE2 KIAA0604 UNQ403/PRO740;Endothelin-converting enzyme 2 (ECE-2) [Includes: Methyltransferase-like region (EC 2.1.1.-);Endothelin-converting enzyme 2 region (EC 3.4.24.71)]
Observed Band	80 kDa
Calculated Molecular Weight	80-100 kDa
Cell Pathway	Golgi membrane,integral component of membrane,cytoplasmic vesicle membrane,
Tissue Specificity	Brain,Clones donated by RIKEN,Lung,Ovary,Thalamus,
Function	catalytic activity:Hydrolysis of the 21-Trp- -Val-22 bond in big endothelin to form endothelin 1.,cofactor:Binds 1 zinc ion per subunit.,function:Converts big endothelin-1 to endothelin-1. Also involved in the processing of various neuroendocrine peptides, including neurotensin, angiotensin I, substance P, proenkephalin-derived peptides, and prodynorphin-derived peptides. May limit beta-amyloid peptide accumulation in brain. May also have methyltransferase activity.,similarity:In the C-terminal section; belongs to the peptidase M13 family., similarity:In the N-terminal section; belongs to the methyltransferase superfamily.,tissue specificity:Expressed in brain. Strongly down-regulated in

inferior parietal lobe from Alzheimer disease patients (at protein level).,

Background

This gene encodes a member of the M13 family, which includes type 2 integral membrane metalloproteinases. The encoded enzyme is a membrane-bound zinc-dependent metalloprotease. The enzyme catalyzes the cleavage of big endothelin to produce the vasoconstrictor endothelin-1, and plays a role in the processing of several neuroendocrine peptides. It may also have methyltransferase activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images