Product Name: ACE1 (17Q3) Rabbit Monoclonal Antibody
Catalog #: AMRe06480
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IF-P
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.23mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:200,IF-P 1:100-1:200
Molecular Weight	150kDa

Antigen Information

Gene Name	ACE
Alternative Names	Angiotensin-converting enzyme; somatic isoform precursor; CD143 antigen; DCP; DCP1; Dipeptidyl carboxypeptidase I; Kininase II;
Gene ID	1636.0
SwissProt ID	P12821
Immunogen	A synthetic peptide of human Angiotensin Converting Enzyme 1

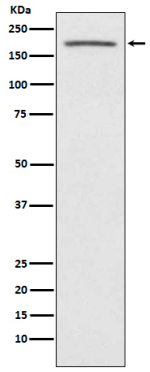
Background

Converts angiotensin I to angiotensin II by release of the terminal His-Leu, this results in an increase of the vasoconstrictor activity of angiotensin. Also able to inactivate bradykinin, a potent vasodilator. Has also a glycosidase activity which releases GPI-anchored proteins from the membrane by cleaving the mannose linkage in the GPI moiety. Converts angiotensin I to angiotensin II by release of the terminal His-Leu, this results in an increase of the vasoconstrictor activity of angiotensin. Also able to inactivate bradykinin, a potent vasodilator. Has also a glycosidase activity which releases GPI- anchored proteins from the membrane by cleaving the mannose linkage in the GPI moiety.

Research Area

Cardiovascular; Blood; Serum Proteins; Stem Cells; Hematopoietic Progenitors; Surface Molecules; Signal Transduction; Metabolism; Vitamins / Minerals; Cell Biology; Proteolysis / Ubiquitin; Proteolytic enzymes; Metalloprotease; ACEs; Vasculature; Vasoconstriction; Cancer; Cancer Metabolism; Response to hypoxia; Kits/ Lysates/ Other; Kits; ELISA Kits; Cardiovascular ELISA kits; Metabolism; Pathways and Processes; Cofactors, Vitamins / minerals; Hypoxia

Image Data



Western blot analysis of ACE1 expression in human fetal kidney lysate.