

Rabbit Angiotensin-converting enzyme Polyclonal Antibody | anti-ACE antibody

Anti-ACE Antibody

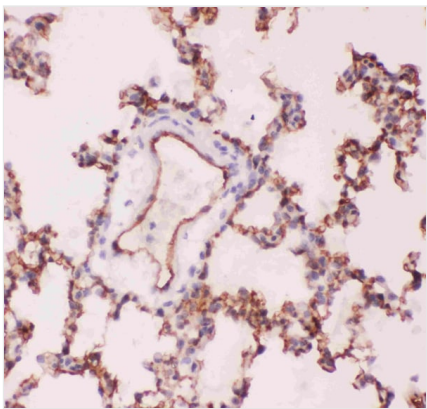
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46050	Rabbit	Human, Mouse, Rat. No cross reactivity with other proteins.	Immunohistochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

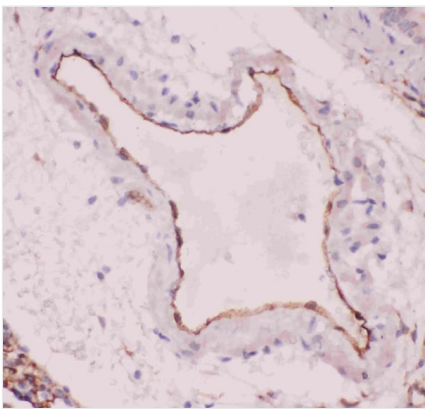
Angiotensin-converting enzyme; Polyclonal Antibody; Anti-ACE Antibody; ACE 1 antibody; ACE antibody; ACE T antibody; ACE_HUMAN antibody; ACE1 antibody; Angiotensin converting enzyme somatic isoform antibody; Angiotensin converting enzyme testis specific isoform antibody; Angiotensin I converting enzyme antibody; Angiotensin I converting enzyme 1 antibody; Angiotensin I converting enzyme peptidyl dipeptidase A 1 antibody; Angiotensin-converting enzyme antibody; Carboxycathepsin antibody; CD 143 antibody; CD143 antibody; CD143 antigen antibody; DCP 1 antibody; DCP antibody; DCP1 antibody; Dipeptidyl carboxypeptidase 1 antibody; Dipeptidyl carboxypeptidase I antibody; Kininase II antibody; MGC26566 antibody; MVCD3 antibody; Peptidase P antibody; Peptidyl dipeptidase A antibody; soluble form antibody; Testicular ECA antibody; angiotensin I converting enzyme; anti-ACE antibody

PRODUCT SPECIFICATIONS

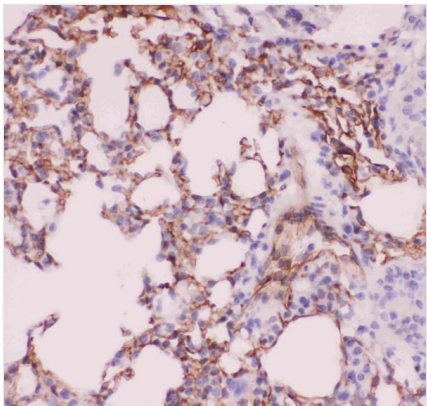
Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	1306
Applicable Applications for anti-ACE antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human ACE recombinant protein (Position: K651-Y864). Human ACE shares 73% and 76% amino acid (aa) sequences identity with mouse and rat ACE, respectively.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



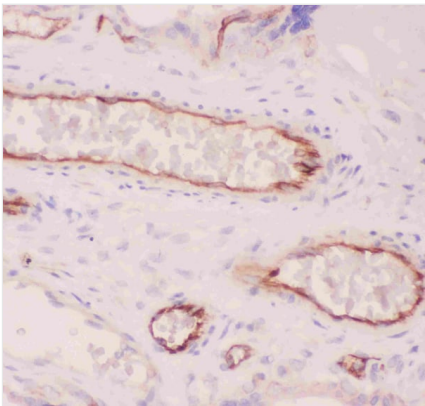
IHC (Immunohistochemistry)
Anti-ACE Picoband antibody, AAA46050-5.JPGIHC(P): Rat Lung Tissue



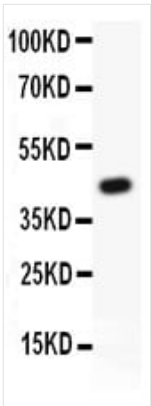
IHC (Immunohistochemistry)
Anti-ACE Picoband antibody, AAA46050-4.JPGIHC(P): Rat Lung Tissue



IHC (Immunohistochemistry)
Anti-ACE Picoband antibody, AAA46050-3.JPGIHC(P): Mouse Lung Tissue



IHC (Immunohistochemistry)
Anti-ACE Picoband antibody, AAA46050-2.JPGIHC(P): Human Placenta Tissue



Application Data
Anti-ACE Picoband antibody, AAA46050-1.jpgAll lanes: Anti ACE (AAA46050) at 0.5ug/mlWB:
Recombinant Human ACE Protein 0.5ngPredicted bind size: 47KDObserved bind size: 47KD

ADDITIONAL INFORMATION

Related Product Information for anti-ACE antibody	Description: Rabbit IgG polyclonal antibody for Angiotensin-converting enzyme(ACE) detection. Tested with WB, IHC-P, IHC-F in Human;Mouse;Rat. Background: Angiotensin-converting enzyme (ACE), an exopeptidase, is a circulating enzyme that participates in the body's renin-angiotensin system(RAS), which mediates extracellular volume (i.e. that of the blood plasma, lymph and interstitial fluid), and arterial vasoconstriction. It is secreted by pulmonary and renal endothelial cells and catalyzes the conversion of decapeptide angiotensin I to octapeptide angiotensin II. Using a DNA marker at the growth hormone gene locus, which they characterized as 'extremely polymorphic' and which showed no recombination with ACE, ACE was mapped to 17q22-q24, consistent with the in situ hybridization mapping to 17q23. ACE, or kininase II, is a dipeptidyl carboxypeptidase that plays an important role in blood pressure regulation and electrolyte balance by hydrolyzing angiotensin I into angiotensin II, a potent vasopressor, and aldosterone-stimulating peptide. The enzyme is also able to inactivate bradykinin, a potent vasodilator.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503273
NCBI GeneID	1636
NCBI Accession #	NP_000780.1
NCBI GenBank Nucleotide #	NM_000789.3
UniProt Accession #	P12821; P22966; Q53YX9; Q59GY8; Q7M4L4; B0LPF0; B4DXI3; E7EU16
Molecular Weight	78,694 Da
NCBI Official Full Name	angiotensin-converting enzyme isoform 1
NCBI Official Synonym Full Names	angiotensin I converting enzyme
NCBI Official Symbol	ACE
NCBI Official Synonym Symbols	DCP; ICH; ACE1; DCP1; CD143; MVCD3
NCBI Protein Information	angiotensin-converting enzyme; kininase II; peptidase P; CD143 antigen; testicular ECA; carboxycathepsin; dipeptidyl carboxypeptidase 1; dipeptidyl carboxypeptidase I; angiotensin converting enzyme, somatic isoform; angiotensin I converting enzyme (peptidyl-dipeptidase A) 1; angiotensin I converting enzyme peptidyl-dipeptidase A 1 transcript
UniProt Protein Name	Angiotensin-converting enzyme
UniProt Gene Name	ACE
UniProt Synonym Gene Names	DCP; DCP1; ACE
UniProt Entry Name	ACE_HUMAN

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.