

Rabbit anti-Human Angiotensin Converting Enzyme 1 Polyclonal Antibody | anti-ACE antibody

Anti-Angiotensin Converting Enzyme 1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45715	Rabbit	Human	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Angiotensin Converting Enzyme 1; Polyclonal Antibody; Anti-Angiotensin Converting Enzyme 1 antibody; Angiotensin-converting enzyme; angiotensin I converting enzyme; 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 1 antibody; Angiotensin I converting enzyme 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; anti-ACE antibody

PRODUCT SPECIFICATIONS

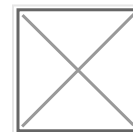
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1306
Applicable Applications for anti-ACE antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Angiotensin Converting Enzyme 1 (702-715aa TQARKFDVNQLQNT).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
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.

IMAGES



WB (Western Blot)

Anti- ACE antibody, AAA45715, Western blottingAll lanes: Anti Angiotensin Converting Enzyme 1 (AAA45715) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: A549 Whole Cell Lysate at 40ugLane 3: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 150KDObserved bind size: 150KD



IHC (Immunohistochemistry)

Anti- ACE antibody, AAA45715, IHC(P)IHC(P): Human Prostatic Cancer Tissue



IHC (Immunohistochemistry)
Anti- ACE antibody, AAA45715, IHC(P)IHC(P): Human Placenta Tissue

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 in Human. Background: Angiotensin I converting enzyme(ACE), also called DCP or CD143, is a zinc-containing dipeptidyl carboxypeptidase widely distributed in mammalian tissues and is though to play a critical role in blood pressure regulation. ACE gene is mapped to 17q23.3. This gene encodes an enzyme involved in catalyzing the conversion of angiotensin I into a physiologically active peptide angiotensin II. Angiotensin II is a potent vasopressor and aldosterone-stimulating peptide that controls blood pressure and fluid-electrolyte balance. This enzyme plays a key role in the renin-angiotensin system. Many studies have associated the presence or absence of a 287 bp Alu repeat element in this gene with the levels of circulating enzyme or cardiovascular pathophysiologies.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	113045
NCBI GeneID	1636
UniProt Accession #	P12821; P22966; Q53YX9; Q59GY8; Q7M4L4; B0LPF0; B4DXI3; E7EU16
Molecular Weight	78,694 Da
NCBI Official Full Name	Angiotensin-converting enzyme
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/angiotensin-converting-enzyme-1-antibody-immunohistochemistry-western-blot-elisa/45715>