

Mouse anti-Human Angiotensin Monoclonal Antibody | anti-ACE antibody

Angiotensin I Converting Enzyme (ACE)/CD143

CATALOG # AAA215415	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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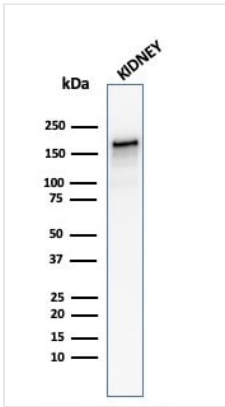
PRODUCT SYNONYMS

Angiotensin; Monoclonal Antibody; Angiotensin I Converting Enzyme (ACE)/CD143; ACE; ACE1; angiotensin 1 converting enzyme 1; carboxycathepsin; CD143; CD143 antigen; DCP; DCP1; dipeptidyl carboxypeptidase 1; Kininase II; MVCD3; peptidase P; testicular ECA; anti-ACE antibody

PRODUCT SPECIFICATIONS

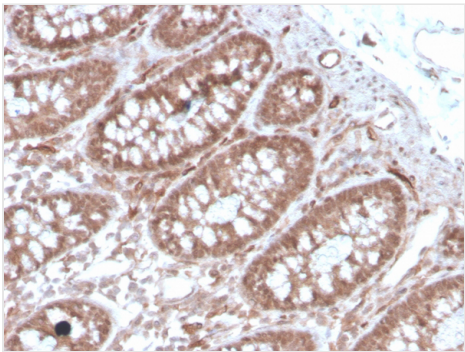
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2c, kappa
Clone Number	ACE/3762
Specificity	This gene encodes an enzyme involved in catalyzing the conversion of angiotensin I into a physiologically active peptide angiotensin II. Angiotensin II is a potent vasopressor and aldosterone-stimulating 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. Two most abundant alternatively spliced variants of this gene encode two isoforms - the somatic form and the testicular form that are equally active. Multiple additional alternatively spliced variants have been identified but their full length nature has not been determined.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	32
Applicable Applications for anti-ACE antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant fragment (around aa 652-788) of Human ACE/CD143 protein
Cellular Localization	Cell Surface
Hu-chromosome Location	17q23.3
Positive Control	Ubiquitously expressed, with highest levels in lung, kidney, heart, gastrointestinal system and prostate.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



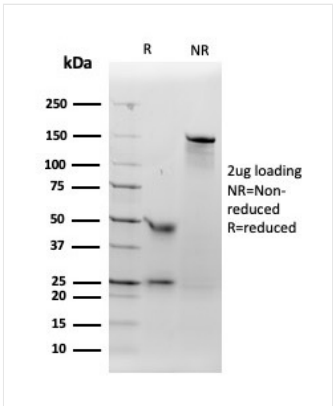
WB (Western Blot)

Western Blot Analysis of human Kidney tissue lysate using ACE / CD143 Mouse Monoclonal Antibody (ACE/3762).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human colon stained with ACE / CD143 Mouse Monoclonal Antibody (ACE/3762).



SDS-PAGE

SDS-PAGE Analysis Purified ACE / CD143 Mouse Monoclonal Antibody (ACE/3762). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Morell NW et al. Cardiovasc Res. 1997 May;34(2):393-403.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	76057114
NCBI GeneID	1636
UniProt Accession #	P12821
Molecular Weight	150kDa
NCBI Official Full Name	angiotensin I converting enzyme, partial
NCBI Official Synonym Full Names	angiotensin I converting enzyme
NCBI Official Symbol	ACE
NCBI Official Synonym Symbols	DCP; ACE1; DCP1; CD143
NCBI Protein Information	angiotensin-converting enzyme
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/monoclonal/angiotensin-antibody-clone-ace-3762-western-blot-immunohistochemistry-elisa/215415>