

anti-Mouse, Human ACE2 Polyclonal Antibody | anti-ACE2 antibody

ACE2 Antibody

CATALOG # AAA78518	REACTIVITY Mouse, Human	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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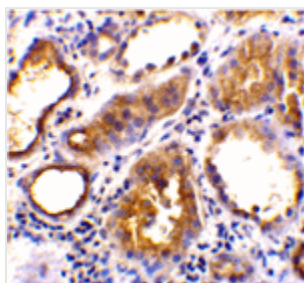
PRODUCT SYNONYMS

ACE2; Polyclonal Antibody; ACE2 Antibody; ACEH antibody; DKFZp434A014 antibody; ACE2 antibody; metalloprotease MPROT15 antibody; angiotensin-converting enzyme homolog antibody; angiotensin I converting enzyme 2 antibody; ACE-related carboxypeptidase antibody; angiotensin-converting enzyme 2 antibody; anti-ACE2 antibody

PRODUCT SPECIFICATIONS

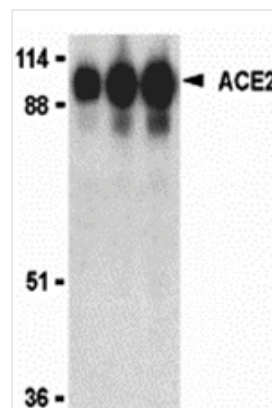
Reactivity	Mouse, Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	805
Applicable Applications for anti-ACE2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	This Antibody was raised against a synthetic peptide corresponding to amino acids near the center of human ACE2.
Preparation and Storage	Stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Figure-2 Immunohistochemical analysis of ACE2 in human kidney tissue using ACE2 antibody at 2 ug/ml.



WB (Western Blot)

Figure-1: Western blot analysis of ACE2. Anti- ACE2 antibody was used at 0.5, 1, 2 ug/ml on human kidney lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-ACE2 antibody	Angiotensin-converting enzyme 2 (ACE2) plays a central role in vascular, renal, and myocardial physiology. In contrast to its homolog ACE, ACE2 expression is restricted to heart, kidney, and testis. Recently, ACE2 has also been shown to be a functional receptor of the SARS coronavirus. The normal function of ACE2 is to convert the inactive vasoconstrictor angiotensin I (AngI) to Ang1-9 and the active form AngII to Ang1-7, unlike ACE, which converts AngI to AngII. While the role of these vasoactive peptides is not well understood, lack of ACE2 expression in ace2-/ace2- mice leads to severely reduced cardiac contractility, indicating its importance in regulating heart function.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11225609
NCBI GeneID	59272
NCBI Accession #	NP_068576.1
NCBI GenBank Nucleotide #	NP_068576.1
UniProt Accession #	Q9BYF1
NCBI Official Full Name	angiotensin-converting enzyme 2
NCBI Official Synonym Full Names	angiotensin I converting enzyme 2
NCBI Official Symbol	ACE2
NCBI Official Synonym Symbols	ACEH
NCBI Protein Information	angiotensin-converting enzyme 2
UniProt Protein Name	Angiotensin-converting enzyme 2
UniProt Gene Name	ACE2
UniProt Synonym Gene Names	ACEH
UniProt Entry Name	ACE2_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.