

Rabbit ACE2 Polyclonal Antibody | anti-ACE2 antibody

ACE2 Antibody

CATALOG # AAA31077	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, ELISA
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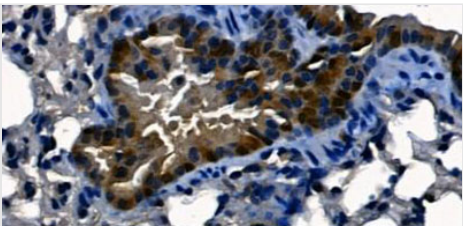
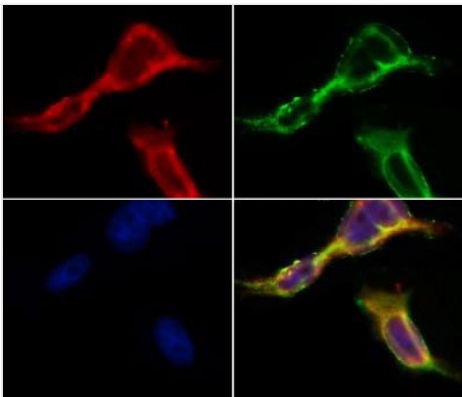
PRODUCT SYNONYMS

ACE2; Polyclonal Antibody; ACE2 Antibody; ACE 2; ACE related carboxypeptidase; ACE-related carboxypeptidase; ACE2_HUMAN; ACEH; Angiotensin converting enzyme 2; Angiotensin converting enzyme homolog; Angiotensin converting enzyme like protein; Angiotensin I Converting Enzyme (peptidyl dipeptidase A) 2; Angiotensin I converting enzyme 2; Angiotensin-converting enzyme homolog; DKFZP434A014; EC 3.4.17; metalloprotease MPROT 15; Metalloprotease MPROT15; OTTHUMP00000022963; Processed angiotensin-converting enzyme 2; anti-ACE2 antibody

PRODUCT SPECIFICATIONS

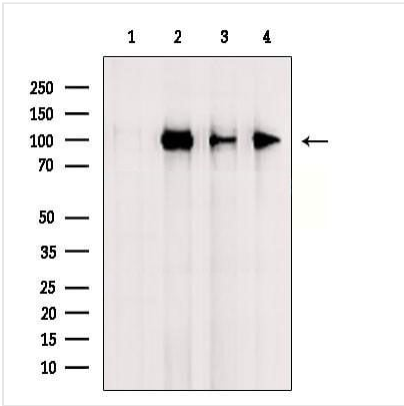
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ACE2 antibody detects endogenous levels of total ACE2
Purity/Purification	Peptide affinity purification
Form/Format	Liquid; IgG in Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	805
Applicable Applications for anti-ACE2 antibody	WB (Western Blot), ELISA
Application Notes	WB: 1:500-1:2000 IF/ICC: 1:100-1:500 IHC: 1:50-1:200 EIA(peptide): 1:20000-1:40000 IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human ACE2,corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA31077 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

IF (Immunofluorescence)
AAA31077 staining HepG2 by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31077 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)
Western blot analysis of extracts from various samples, using ACE2 Antibody. Lane 1: PC12, treated with blocking peptide; Lane 2: PC12; Lane 3: Mouse heart; Lane 4: Mouse brain. Observed bands: 100 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ACE2 antibody	Carboxy peptidase which converts angiotensin I to angiotensin 1-9, a peptide of unknown function, and angiotensin II to angiotensin 1-7, a vasodilator. Also able to hydrolyze apelin-13 and dynorphin-13 with high efficiency. May be an important regulator of heart function. In case of human coronaviruses SARS and HCoV-NL63 infections, serves as functional receptor for the spike glycoprotein of both corona viruses.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11225609
NCBI GeneID	59272
NCBI Accession #	NP_068576.1
NCBI GenBank Nucleotide #	NM_021804.2
UniProt Accession #	Q9BYF1; Q6UWP0; Q86WT0; Q9NRA7; Q9UFZ6; C7ECU1
Molecular Weight	92kDa, 100kDa
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

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://www.aaabiotech.com/polyclonal/ace2-antibody-western-blot-elisa/31077>