

Rabbit anti-Human ACE2 Polyclonal Antibody | anti-ACE2 antibody

RABBIT ANTI HUMAN ACE2 (N-TERMINAL)

CATALOG # AAA49973	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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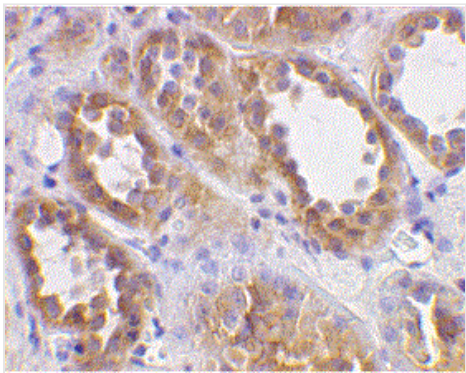
PRODUCT SYNONYMS

ACE2; Polyclonal Antibody; RABBIT ANTI HUMAN ACE2 (N-TERMINAL); anti-ACE2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Rabbit anti Human ACE2 antibody recognizes human Angiotensin-converting enzyme 2, also known as ACE2, ACE-related carboxypeptidase or Metalloprotease MPROT15. ACE2 is a 788 amino acid ~100 kDa carboxypeptidase expressed in a range of tissues including heart, kidney, testis and the gastrointestinal system. ACE2 is a homologue of ACE (Angiotensin-converting enzyme 1), although it has a distinct catalytic activity. ACE2 catalyzes the cleavage of active angiotensin II into angiotensin 1-7, which may counteract the effects of ACE by increasing vasodilatation. ACE2 serves as the cellular entry point for the severe acute respiratory syndrome (SARS) virus, functioning as a receptor for the SARS Spike protein (Turner et al. 2004).
Form/Format	Purified IgG - liquid; Phosphate buffered saline
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-ACE2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Antiserum Preparation	Antisera to human ACE2 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Preservative Stabilisers	0.02% Sodium Azide
Immunogen	Synthetic peptide corresponding to a sequence within the amino terminus of human ACE2.
Preparation and Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

IMAGES



Application Data
Immunohistochemical staining of human kidney with Rabbit anti Human ACE2 (AAA49973)

ADDITIONAL INFORMATION

Related Product Information for anti-ACE2 antibody	MBS221779 is specific for human Angiotensin-converting enzyme 2 (ACE2). ACE2 is a carboxypeptidase which is expressed in a range of tissues including heart, kidney, testis and the gastrointestinal system. ACE2 is a homologue of ACE (Angiotensin-converting enzyme 1), although it has a distinct catalytic activity. ACE2 catalyzes the cleavage of active angiotensin II into angiotensin 1-7, which may counteract the effects of ACE by increasing vasodilatation. A recent discovery is that ACE2 serves as the cellular entry point for the severe acute respiratory syndrome (SARS) virus, functioning as a receptor for the SARS Spike protein.
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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
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; ACE-related carboxypeptidase; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2; angiotensin-converting enzyme homolog; metalloprotease MPROT15
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.