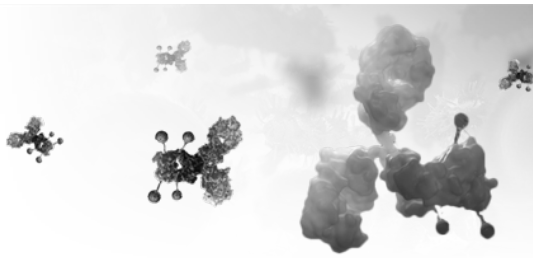

Anti-ACE2 (N-terminal) polyclonal antibody (CPBT-67738RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product 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.
Specificity	ACE2
Immunogen	Synthetic peptide corresponding to a sequence within the amino terminus of human ACE2.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.02% Sodium Azide
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.

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GENE INFORMATION

Gene Name	ACE2 angiotensin I converting enzyme 2 [Homo sapiens (human)]
Official Symbol	ACE2
Synonyms	ACE2; angiotensin I converting enzyme 2; ACEH; angiotensin-converting enzyme 2; peptidyl-dipeptidase A; metalloprotease MPROT15; ACE-related carboxypeptidase; angiotensin-converting enzyme homolog; angiotensin I converting enzyme (peptidyl-dipeptidase A)
Entrez Gene ID	59272
Protein Refseq	NP_068576
UniProt ID	Q9BYF1
Chromosome Location	Xp22
Pathway	ACE Inhibitor Pathway; Metabolism of Angiotensinogen to Angiotensins; Metabolism of proteins; Peptide hormone metabolism; Protein digestion and absorption; Renin-angiotensin system;
Function	carboxypeptidase activity; endopeptidase activity; glycoprotein binding; NOT metallopeptidase activity; peptide hormone binding; NOT peptidyl-dipeptidase activity; protein binding; virus receptor activity; zinc ion binding;

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