OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP07652PU-N

Angiotensin Converting Enzyme 2 (ACE2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Immunohistochemistry on Paraffin Sections:** 2.5 µg/ml. **Western Blot:** 0.5 - 2 µg/ml.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to amino acids near the center of human ACE2. The immunogen is located within aa 180-230 of ACE2.
Specificity:	This antibody reacts with a peptide corresponding to amino acids near the center of ACE2.
Formulation:	PBS containing 0.02% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C to -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	angiotensin I converting enzyme 2
Database Link:	Entrez Gene 59272 Human Q9BYF1

View online »

Background: 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.

Synonyms: Angiotensin-converting enzyme 2

Note: **Family:** Protease.
Subfamily: Metallopeptidase M2.

Product images:

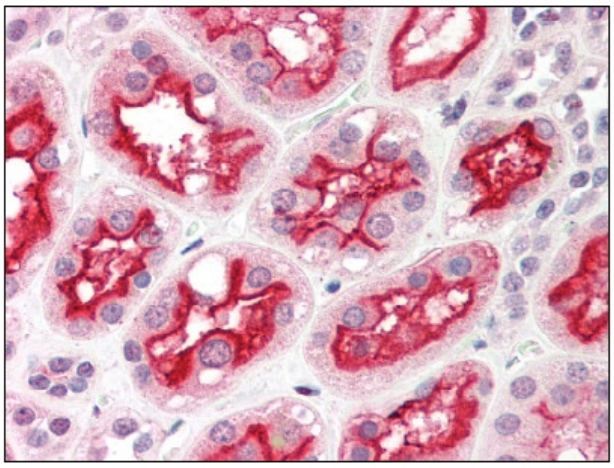

Figure 1. Formalin-Fixed Paraffin-Embedded (FFPE) on Kidney.