

# IHC*easy* ACE2 Ready-To-Use IHC Kit

Catalog Number: **KHC0062**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human, Mouse  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Rabbit Polyclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Rabbit

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

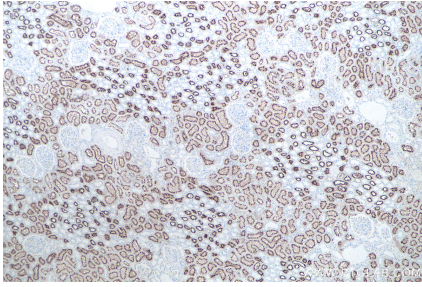
## Background

ACE2 (Angiotensin-converting enzyme 2), also named as ACEH, is a zinc metalloprotease of the ACE family and a critical regulator of the reninangiotensin system. ACE2 has a more restricted tissue distribution than ACE, being found predominantly in the heart, kidneys, and testes although low levels have been detected in a variety of tissues. ACE2 has been shown to be a functional receptor of the human coronaviruses SARS-CoV and SARS-CoV-2. The expression level and expression pattern of human ACE2 in different tissues might be critical for the susceptibility, symptoms, and outcome of 2019-nCoV/SARS-CoV-2 infection. It can be used as a potential therapeutic target of SARS-CoV-2. The location of ACE2 is membrane and cytoplasm, however it accumulates in the nucleus during the mitosis.

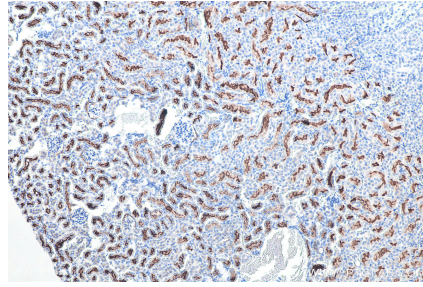
## Synonyms

ACE related carboxypeptidase, ACE2, ACEH, Angiotensin converting enzyme 2, Angiotensin I converting enzyme 2, Metalloprotease MPROT15

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHCO062 (ACE2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHCO062 (ACE2 IHC Kit).