

A9454

Leader in Biomolecular Solutions for Life Science



# ACE2 Rabbit pAb

Catalog No.: A9454

## Basic Information

### Observed MW

95kDa

### Calculated MW

92kDa

### Category

Polyclonal Antibody

### Applications

WB,FC

### Cross-Reactivity

Human

## Background

The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. ACE2 is known to be expressed in various human organs, and its organ- and cell-specific expression suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronavirus HCoV-NL63 and the human severe acute respiratory syndrome coronaviruses, SARS-CoV and SARS-CoV-2, the latter is the causative agent of coronavirus disease-2019 (COVID-19). Multiple splice variants have been found for this gene and the dACE2 (or MIRb-ACE2) splice variant has been found to be interferon inducible.

## Recommended Dilutions

WB	1:500 - 1:1000
FC	1:20 - 1:50

## Immunogen Information

### Gene ID

59272

### Swiss Prot

Q9BYF1

### Immunogen

A synthetic Peptide of human ACE2

### Synonyms

ACEH; ACE2

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

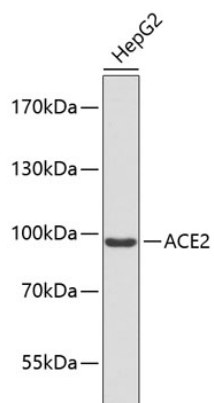
Affinity purification

### Storage

Store at 4°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.02% sodium azide,pH7.3.

## Validation Data

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Western blot analysis of extracts of HepG2 cells, using ACE2 antibody (A9454).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.