

## ACE2

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IP

**Recommended Dilution:**WB 1:500 - 1:2000 IP 1:20 - 1:50

**Calculated MW:**92kDa

**Observed MW:**Refer to figures

**Immunogen:**

A synthetic Peptide of human ACE2

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Catalog #:**A9454

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**59272

**Isotype:**IgG

**Swiss Prot:**Q9BYF1

**Purity:**Affinity purification

For research use only.

**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. The organ- and cell-specific expression of this gene 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 coronaviruses SARS and HCoV-NL63. [provided by RefSeq, Jul 2008]

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