

Datasheet for ABIN6983034

**anti-ACE2 antibody (AA 18-615) (Biotin)**[Go to Product page](#)

## Overview

|                      |                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                 |
| Target:              | ACE2                                                                                                                   |
| Binding Specificity: | AA 18-615                                                                                                              |
| Reactivity:          | Human, Mouse, Rat                                                                                                      |
| Host:                | Rabbit                                                                                                                 |
| Clonality:           | Polyclonal                                                                                                             |
| Conjugate:           | This ACE2 antibody is conjugated to Biotin                                                                             |
| Application:         | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                   |                        |
|-------------------|------------------------|
| Immunogen:        | Recombinant human ACE2 |
| Isotype:          | IgG                    |
| Cross-Reactivity: | Human, Mouse, Rat      |
| Purification:     | Purified by Protein A. |

## Target Details

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| Target:           | ACE2                                                                                   |
| Alternative Name: | ACE2 ( <a href="#">ACE2 Products</a> )                                                 |
| Background:       | Synonyms: ACE-2, ACE 2, Angiotensin converting enzyme 2, ACE related carboxypeptidase, |

## Target Details

ACEH, Angiotensin converting enzyme homolog, Angiotensin converting enzyme like protein, Angiotensin I Converting Enzyme (peptidyl dipeptidase A) 2, Angiotensin I converting enzyme 2, DKFZP434A014, EC 3.4.17, OTTHUMP00000022963, angiotensin-converting enzyme 2 precursor, ACE2\_HUMAN, Angiotensin-converting enzyme 2, ACE-related carboxypeptidase, Angiotensin-converting enzyme homolog, Metalloprotease MPROT15, Processed angiotensin-converting enzyme 2.

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].

|           |                                                                                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID:  | 59272                                                                                                                                                                                               |
| UniProt:  | <a href="#">Q9BYF1</a>                                                                                                                                                                              |
| Pathways: | <a href="#">ACE Inhibitor Pathway</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Regulation of Systemic Arterial Blood Pressure by Hormones</a> , <a href="#">Feeding Behaviour</a> |

## Application Details

|                    |                                    |
|--------------------|------------------------------------|
| Application Notes: | IHC-P 1:200-400<br>IHC-F 1:100-500 |
| Restrictions:      | For Research Use only              |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |

Handling

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|                  |                               |
|------------------|-------------------------------|
| Storage:         | -20 °C                        |
| Storage Comment: | Store at -20°C for 12 months. |
| Expiry Date:     | 12 months                     |