

Datasheet for ABIN1169446

## anti-ACE2 antibody



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1 Image

1 Publication

### Overview

|              |                                     |
|--------------|-------------------------------------|
| Quantity:    | 100 µg                              |
| Target:      | ACE2                                |
| Reactivity:  | Human                               |
| Host:        | Rabbit                              |
| Clonality:   | Polyclonal                          |
| Conjugate:   | This ACE2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA        |

### Product Details

|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Immunogen:        | Recombinant human ACE2.                                           |
| Specificity:      | Recognizes human ACE2. Detects a band of ~90 kDa by Western blot. |
| Cross-Reactivity: | Human                                                             |
| Sterility:        | 0.2 µm filtered                                                   |

### Target Details

|                   |                                                                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | ACE2                                                                                                                                                                                                                                                       |
| Alternative Name: | ACE2 ( <a href="#">ACE2 Products</a> )                                                                                                                                                                                                                     |
| Background:       | ACE2 has direct effects on cardiac functions. It is expressed predominantly in vascular endothelial cells of the heart and kidney. ACE2 converts angiotensin I to angiotensin 1-9. ACE2 was also identified as a functional receptor for SARS coronavirus. |

## Target Details

|           |                                                                                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

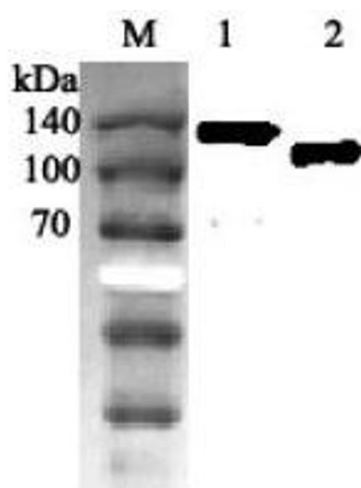
|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only                                              |

## Handling

|                  |                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------|
| Format:          | Liquid                                                                                                                   |
| Concentration:   | Lot specific                                                                                                             |
| Buffer:          | 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.                                                       |
| Preservative:    | Without preservative                                                                                                     |
| Storage:         | 4 °C, -20 °C                                                                                                             |
| Storage Comment: | Short Term Storage: +4°C<br>Long Term Storage: -20°C<br>Stable for at least 6 months after receipt when stored at -20°C. |
| Expiry Date:     | 6 months                                                                                                                 |

## Publications

|                   |                                                                                                                                                                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product cited in: | Beniac, deVarenes, Andonov, He, Booth: "Conformational reorganization of the SARS coronavirus spike following receptor binding: implications for membrane fusion." in: <b>PLoS ONE</b> , Vol. 2, Issue 10, pp. e1082, (2007) ( <a href="#">PubMed</a> ). |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



Western Blotting

**Image 1.** Western blot analysis using anti-ACE2 (human), pAb at 1:2'000 dilution. 1: Human ACE2 Fc-protein. 2: Human ACE2 (ED) (FLAG<sup>®</sup>-tagged).