

Datasheet for ABIN1173596  
**anti-CA2 antibody (AA 1-260)**



[Go to Product page](#)

2 Images

## Overview

|                      |                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                 |
| Target:              | CA2                                                                                                    |
| Binding Specificity: | AA 1-260                                                                                               |
| Reactivity:          | Rhesus Monkey                                                                                          |
| Host:                | Rabbit                                                                                                 |
| Clonality:           | Polyclonal                                                                                             |
| Conjugate:           | This CA2 antibody is un-conjugated                                                                     |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP) |

## Product Details

|                   |                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Polyclonal Antibody to Carbonic Anhydrase II (CA2)                                                                                                                           |
| Immunogen:        | RPA782Si01Recombinant Carbonic Anhydrase II (CA2)                                                                                                                            |
| Isotype:          | IgG                                                                                                                                                                          |
| Specificity:      | The antibody is a rabbit polyclonal antibody raised against CA2. It has been selected for its ability to recognize CA2 in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Human, Mouse, Pig                                                                                                                                                            |
| Purification:     | Antigen-specific affinity chromatography followed by Protein A affinity chromatography                                                                                       |

## Target Details

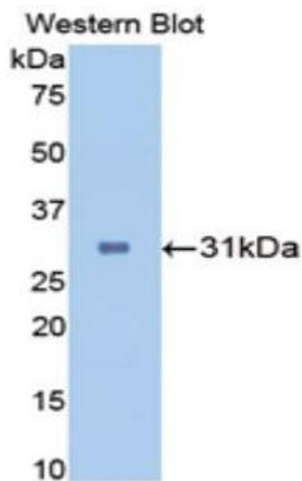
|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| Target:           | CA2                                                                    |
| Alternative Name: | Carbonic Anhydrase II ( <a href="#">CA2 Products</a> )                 |
| Background:       | CA-II, CAII, Car2, CAC, Carbonate dehydratase II, Carbonic anhydrase C |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western blotting: 0.2-2 µg/mL, 1:250-2500 Immunohistochemistry: 5-20 µg/mL, 1:25-100<br>Immunocytochemistry: 5-20 µg/mL, 1:25-100 Optimal working dilutions must be determined by end user.                                                                                                                                         |
| Comment:           | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                               |

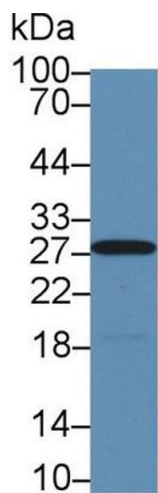
## Handling

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Concentration:     | 500 µg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Buffer:            | PBS, pH 7.4, containing 0.01 % SKL, 1 mM DTT, 5 % Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Preservative:      | Dithiothreitol (DTT), ProClin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Precaution of Use: | WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing. |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage:           | 4 °C, -20 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Storage Comment:   | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                          |
| Expiry Date:       | 12 months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



Western Blotting

Image 1.



Western Blotting

**Image 2.** Western Blot; Sample: Human Lung lysate; Primary Ab: 5µg/ml Rabbit Anti-Simian CA2 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)