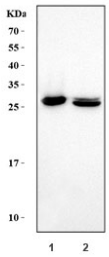
# Carbonic Anhydrase I Antibody (R30495)

| Catalog No. | Formulation | Size |
|---|---|---|
| R30495 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal |
| **UniProt** | P00915 |
| **Applications** | Western blot: 0.5-1ug/ml |
| **Limitations** | This Carbonic Anhydrase I antibody is available for research use only. |




Western blot testing of 1) human HEL and 2) rat spleen tissue lysate with Carbonic Anhydrase I antibody. Predicted molecular weight ~29 kDa.

## Description

Carbonic anhydrase I is an enzyme that in humans is encoded by the CA1 gene, mapped to 8q22. This protein is highly expressed in erythrocytes. As a catalyst of the reversible hydration of carbon dioxide, the protein participate in a variety of biologic processes such as respiration, calcification, and acid-base balance.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Carbonic Anhydrase I antibody

may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Amino acids SYNPATAKEIINVGHSFH were used as the immunogen for this Carbonic Anhydrase I antibody.

## Storage

After reconstitution, the Carbonic Anhydrase I antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


Copyright © NSJ Bioreagents. All rights reserved.