

Datasheet for ABIN1411472

**anti-CA10 antibody (AA 142-225) (HRP)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                           |
| Target:              | CA10                                                                                                                                             |
| Binding Specificity: | AA 142-225                                                                                                                                       |
| Reactivity:          | Human                                                                                                                                            |
| Host:                | Rabbit                                                                                                                                           |
| Clonality:           | Polyclonal                                                                                                                                       |
| Conjugate:           | This CA10 antibody is conjugated to HRP                                                                                                          |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)),<br>Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Carbonic anhydrase X |
| Isotype:              | IgG                                                                      |
| Predicted Reactivity: | Human, Mouse, Rat, Cow, Pig, Horse, Chicken                              |
| Purification:         | Purified by Protein A.                                                   |

## Target Details

|                   |                                                                                  |
|-------------------|----------------------------------------------------------------------------------|
| Target:           | CA10                                                                             |
| Alternative Name: | CA10 ( <a href="#">CA10 Products</a> )                                           |
| Background:       | Synonyms: CA 10, CA-RP X, CA10, CAH10_HUMAN, Carbonic anhydrase related protein, |

## Target Details

Carbonic anhydrase-related protein 10, Carbonic anhydrase-related protein X, CARP X, CARPX, Cerebral protein 15, HUCEP 15.

Background: Carbonic anhydrases (CAs) are members of a large family of zinc metalloenzymes responsible for catalyzing the reversible hydration of carbon dioxide. CAs show extensive diversity in their distribution and subcellular localization. They are involved in a variety of biological processes, including calcification, bone resorption, respiration, acid-base balance and the formation of aqueous humor, saliva, gastric juice and cerebrospinal fluid. CA X also referred to as Carbonic anhydrase-related protein X (CA-RP X) or Cerebral protein 15, is a member of the carbonic anhydrase family that lacks two of the three Zn-binding motifs essential for carbonic anhydrase activity. For this reason, CA X does not exhibit catalytic activity. It is expressed primarily in brain and kidney and may play a role in brain development.

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | WB 1:300-5000         |
|                    | IHC-P 1:200-400       |
|                    | 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 Advice:   | Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.               |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |