

## Anti-CARBONIC ANHYDRASE II (RABBIT) Antibody - 100-401-136

**Code:** 100-401-136

**Size:** 2 mL

**Product Description:** Anti-CARBONIC ANHYDRASE II (RABBIT) Antibody - 100-401-136

**Concentration:** 80 mg/mL by Refractometry

**PhysicalState:** Lyophilized

<b>Label</b>	Unconjugated
<b>Host</b>	Rabbit
<b>Gene Name</b>	CA2
<b>Species Reactivity</b>	human
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	2.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Synonyms</b>	rabbit anti-Carbonic Anhydrase II Antibody, Carbonate dehydratase II antibody, Carbonic anhydrase 2 antibody, Carbonic anhydrase B antibody, Carbonic anhydrase C antibody, Carbonic anhydrase II antibody, Carbonic dehydratase antibody
<b>Application Note</b>	Anti-Carbonic Anhydrase II is suitable for use in ELISA, western blot, and immunohistochemistry. Specific conditions for reactivity should be optimized by the end user.
<b>Background</b>	Carbonic Anhydrase 2 is essential for bone resorption and osteoclast differentiation. It reverses hydration of carbon dioxide and can hydrate cyanamide to urea. It is involved in the regulation of fluid secretion into the anterior chamber of the eye. Carbonic Anhydrase II contributes to intracellular pH regulation in the duodenal upper villous epithelium during proton-coupled peptide absorption. It stimulates the chloride-bicarbonate exchange activity of SLC26A6. It is used for target of drugs used in treatments against glaucoma disorder and breast cancer.
<b>Purity And Specificity</b>	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Carbonic Anhydrase II [Human Erythrocytes]. Cross reactivity against Carbonic Anhydrase II from other tissues and species may occur but have not been specifically determined.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:115,000
<b>Western Blot</b>	1:2,000 - 1:10,000
<b>Immunohistochemistry</b>	User Optimized
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Carbonic Anhydrase II [Human Erythrocytes]

**Related Products**

100-1154	Anti-CARBONIC ANHYDRASE I (GOAT) Antibody - 100-1154
100-4157	Anti-CARBONIC ANHYDRASE II (RABBIT) Antibody - 100-4157
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302

B552-0500      BLOTTO A PRE-MIXED - for a 1X SOLUTION of  
Immunoanalytical Grade 5% NON-FAT DRY MILK in TBS with  
TWEEN-20 - B552-0500

#### Related Links

UniProtKB - P00918

<http://www.uniprot.org/uniprot/P00918>

NCBI - P00918.2      <http://www.ncbi.nlm.nih.gov/protein/P00918.2>

GeneID - 760

#### Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.