

Product datasheet for **TA396994S**

CA2 Rabbit Polyclonal Antibody

Product data:

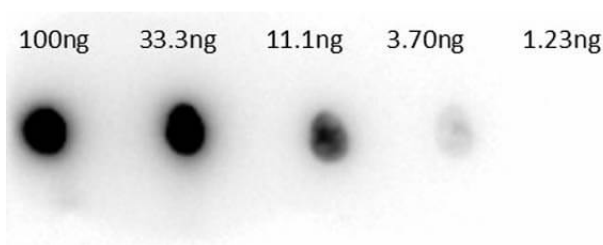
Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	WB: 1:1,000 - 1:5,000 IHC: 1:500 - 1:2,500 ELISA: 1:5,000 - 1:20,000
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Carbonic Anhydrase II [Bovine Erythrocytes]
Specificity:	Carbonic anhydrase II is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Carbonic Anhydrase II [Bovine Erythrocytes]. Cross reactivity against Carbonic Anhydrase II from other tissues and species may occur but have not been specifically determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1 mg/mL - lot specific
Conjugation:	HRP
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	P00921



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- Background:** Carbonic anhydrase II (CA2), is one of fourteen forms of human α carbonic anhydrases. Carbonic anhydrase catalyzes reversible hydration of carbon dioxide. Defects in this enzyme are associated with osteopetrosis and renal tubular acidosis. Carbonic anhydrase II has been shown to interact with Band 3 and Sodium-hydrogen antiporter 1.
- Synonyms:** rabbit anti-Carbonic Anhydrase II Antibody Peroxidase Conjugation, HRP conjugated 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, CAC, CA-II
- Note:** Anti-Carbonic anhydrase II Peroxidase Conjugated Antibody has been tested by ELISA and dot blot and is assayed against 1.0 ug of Carbonic Anhydrase II [Bovine Erythrocytes] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:4,000 of the reconstitution concentration is suggested for this product.

Product images:



Dot Blot of Rabbit Anti-Carbonic Anhydrase II Peroxidase Conjugated Antibody. Lane 1: 100ng. Lane 2: 33.3ng. Lane 3: 11.1ng. Lane 4: 3.7ng. Lane 5: 1.23ng. Secondary Antibody: 200-4357 Anti-Carbonic Anhydrase II HRP 1 μ g/mL. Blocking Buffer: MB-073 for 30 min at RT.