

A Reliable Research Partner in Life Science and Medicine

## Recombinant Carbonic Anhydrase IX/CA9 Monoclonal Antibody

catalog number: AN300177P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human

Immunogen Recombinant Human Carbonic Anhydrase IX / CA9 protein

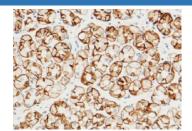
Host Rabbit
Isotype IgG
Clone A1291
Purification Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

**IHC-P** 1:250-1:1000

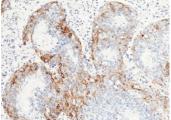
#### Data



Immunohistochemistry of paraffin-embedded human stomach using Carbonic Anhydrase IX / CA9 Monoclonal Antibody at dilution of 1:500.

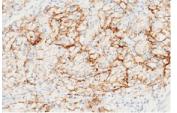


Immunohistochemistry of paraffin-embedded human gastric cancer using Carbonic Anhydrase IX / CA9 Monoclonal Antibody at dilution of 1:500.



Immunohistochemistry of paraffin-embedded human bladder carcinoma using Carbonic Anhydrase IX / CA9 Monoclonal carcinoma using Carbonic Anhydrase IX / CA9 Monoclonal Antibody at dilution of 1:200.

Antibody at dilution of 1:200.



#### **Preparation & Storage**

**Storage** This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping lce bag

**Background** 

### For Research Use Only

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Rev. V1.3

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Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA IX is a transmembrane protein and is one of only two tumor-associated carbonic anhydrase isoenzymes known. It is expressed in all clear-cell renal cell carcinoma, but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation. This gene was mapped to 17q21.2 by fluorescence in situ hybridization, however, radiation hybrid mapping localized it to 9p13-p12.

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