

## CA9 monoclonal antibody

Catalog: MB21742

Host: Mouse

Reactivity: Human

### BackGround:

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 the only tumor-associated carbonic anhydrase isoenzyme 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. <br />

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

49.7kDa

### Swiss-Prot:

Q16790

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000

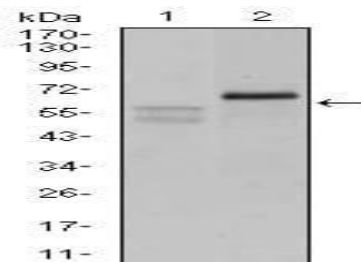
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

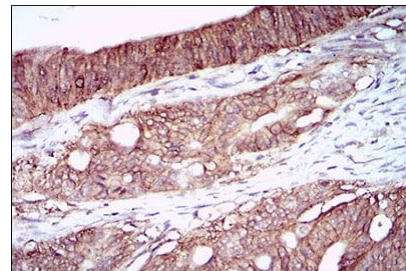
### Isotype:

Mouse IgG1

### DATA:



Western blot analysis using CA9 mouse mAb against A431 (1) and SW620 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using ZEB1 mouse mAb with DAB staining.

### Note:

For research use only, not for use in diagnostic procedure.

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