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CA9 Monoclonal Antibody

Cat #: G-AB-05541

Host: Mouse **Reactivity:** Human

Isotype: IgG **Clonality:** Monoclonal

Overview:
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.

Gene ID:

Accession #:

Immunogen: Synthetic Peptide

Conjugation: Unconjugated

Swissprot: Q16790

Calculated Molecular Weight: 50 kDa

Observed Molecular Weight: 35-38 kDa

Concentration: 1 mg/mL

Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

Purification Method: Protein A purification

Application: WB,IHC-p,IF

Dilution: WB 1:1000-1:3000, IHC 1:50-300, IF 1:50-1:200

Storage: Store at -20°C. Avoid freeze / thaw cycles.