

bsm-33082M**[Primary Antibody]**

www.bioss.com.cn

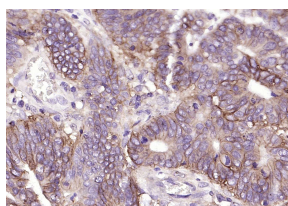
sales@bioss.com.cn

techsupport@bioss.com.cn

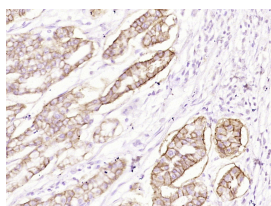
400-901-9800

CA9 Mouse mAb**— DATASHEET —**

Host: Mouse Clonality: Monoclonal GeneID: 768 Target: CA9 Purification: affinity purified by Protein G Concentration: 1mg/ml Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. 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. [provided by RefSeq, Jul 2008]	Isotype: IgG CloneNo.: 5H10 SWISS: Q16790 Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:500-1000) Reactivity: Human Predicted MW.: 46 kDa Subcellular Location: Cell membrane ,Nucleus
---	--

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CA9) Monoclonal Antibody, Unconjugated (bsm-33082M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human stomach cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Carbonate dehydratase IX) Monoclonal Antibody, Unconjugated (bsm-33082M) at 1:800 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.923]** Alena Pastornická. et al. Influence of Paclitaxel and Doxorubicin Therapy of β III-Tubulin, Carbonic Anhydrase IX, and Survivin in Chemically Induced Breast Cancer in Female Rat. Int J Mol Sci. 2021 Jan;22(12):6363 IHC

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

;Rat. 34198613