

Product Name: CA9 Mouse Monoclonal Antibody
Catalog #: AMM80934



Summary

Production Name	CA9 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	CA9
Alternative Names	MN; CAIX; CA9
Gene ID	768.0
SwissProt ID	Q16790 .Purified recombinant fragment of human CA9 expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	50kDa

Background

CA IX is a transmembrane protein and the only tumor-associated carbonic anhydrase isoenzyme known. It is expressed in

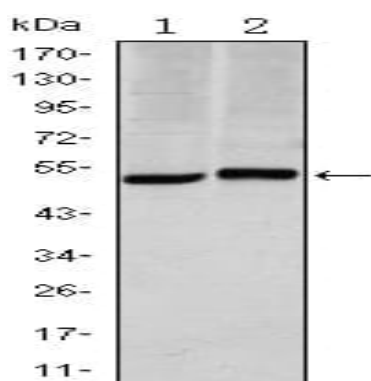
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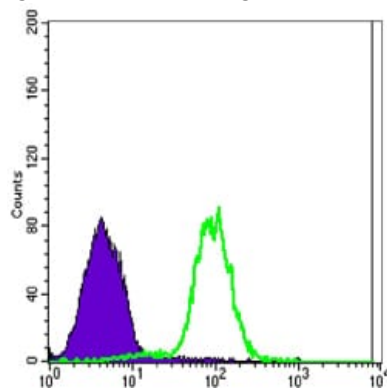
all clear-cell renal cell carcinoma, but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation. Reversible hydration of carbon dioxide. Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia. Tissue specificity: Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa.

Research Area

Image Data

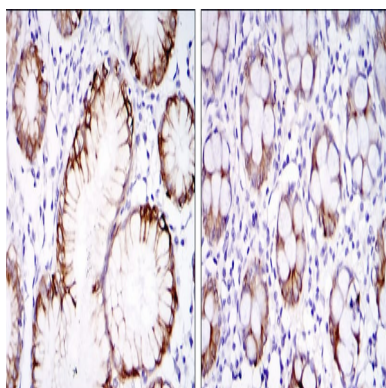


Western blot analysis using CA9 mouse mAb against Hela (1) and A549 (2) cell lysate.



Flow cytometric analysis of NTERA-2 cells using CA9 mouse mAb (green) and negative control (purple).

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Immunohistochemical analysis of paraffin-embedded human stomach tissues (left) and colon tissues (right) using CA9 mouse mAb with DAB staining.

Note

For research use only.