

Product datasheet for **AM06560SU-N**

Carbonic Anhydrase IX (CA9) Mouse Monoclonal Antibody [Clone ID: 2D3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2D3
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Flow Cytometry: 1/200 - 1/400. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human CA9 expressed in E. Coli.
Specificity:	Recognizes Carbonic anhydrase 9 (CA9).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	50 kDa
Gene Name:	carbonic anhydrase 9
Database Link:	Entrez Gene 768 Human Q16790



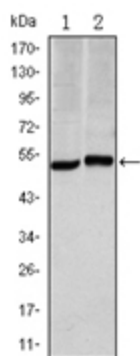
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Background:

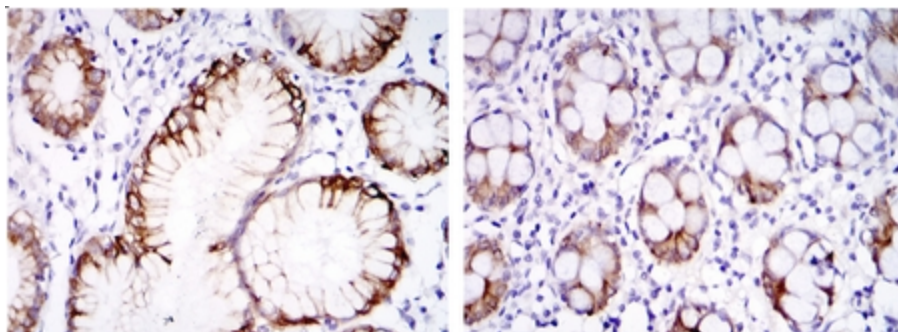
CA IX is a transmembrane protein and the only tumor-associated carbonic anhydrase isoenzyme known. It is expressed in all clear-cell renal cell carcinoma, but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation. Reversible hydration 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.

Synonyms:

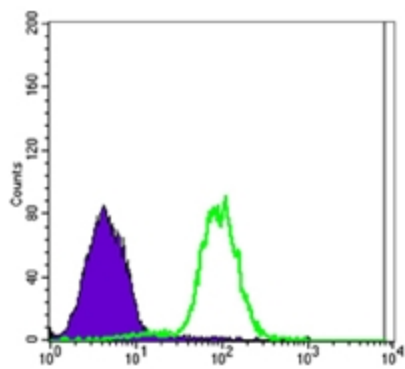
Carbonic anhydrase IX, Carbonate dehydratase IX, Membrane antigen MN, P54/58N, pMW1, CA9, CA IX, G250

Product images:


Western blot analysis using CA9 antibody Cat.-No AM06560SU-N against Hela (1) and A549 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded stomach tissues (left) and colon tissues (right) using CA9 antibody Cat.-No AM06560SU-N with DAB staining.



Flow cytometric analysis of NTERA-2 cells using CA9 antibody Cat.-No AM06560SU-N (green) and negative control (purple).