

**DATASHEET**

**Carbonic Anhydrase 9 Mouse Monoclonal Antibody(C2570)**

CAT. NO. AMA02182

**KEY FEATURES**

Target	Carbonic Anhydrase 9	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

Catalyzes the interconversion between carbon dioxide and water and the dissociated ions of carbonic acid (i.e. bicarbonate and hydrogen ions).

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:500

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Mouse monoclonal to Carbonic Anhydrase 9
Specificity	Recognizes endogenous levels of Carbonic Anhydrase 9 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Carbonic Anhydrase 9 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 50 kD; Observed: 60 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	G250; MN; CarbonIC, anhydrase 9; Carbonate dehydratase IX; CarbonIC, anhydrase IX; CA-IX; CAIX; Membrane antigen MN; P54/58N; Renal cell carcinoma-associated antigen G250; RCC-associated antigen G250; pMW1
Gene Symbol	CA9
Entrez Gene	768(Human)
SwissProt	Q16790(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

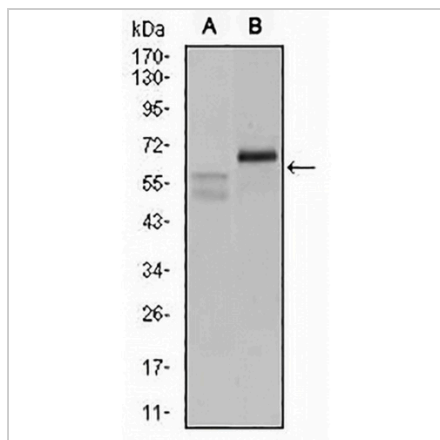
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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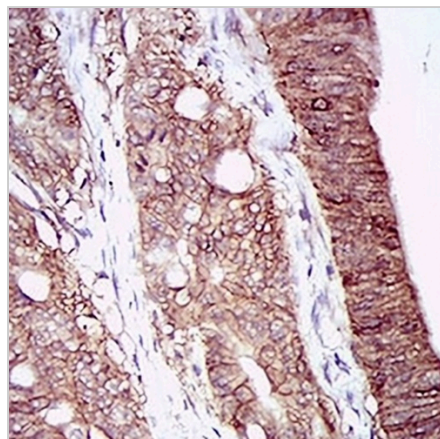
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Western blot analysis of Carbonic Anhydrase 9 expression in A431 (A), SW620 (B) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 60 kD kD)



Immunohistochemical analysis of Carbonic Anhydrase 9 staining in human rectum cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.