

# KD-Validated Anti-Carbonic anhydrase 9 Recombinant Rabbit Monoclonal Antibody



**Catalog #: 69190**

## Aliases

CA9; Carbonic Anhydrase 9; CAIX; MN; Carbonic Anhydrase IX; Renal Cell Carcinoma-Associated Antigen G250; RCC-Associated Protein G250; RCC-Associated Antigen G250; Carbonate Dehydratase IX; Carbonic Dehydratase; Membrane Antigen MN; P54/58N; CA-IX; PMW1; EC 4.2.1.1; G250

## Background

Gene Name: CA9

NCBI Gene Entry: [768](#)

UniProt Entry: [Q16790](#)

## Application Information

Molecular Weight: Predicted, 50 kDa, observed, 54 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB1770

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human CA9

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

---

### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

### ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

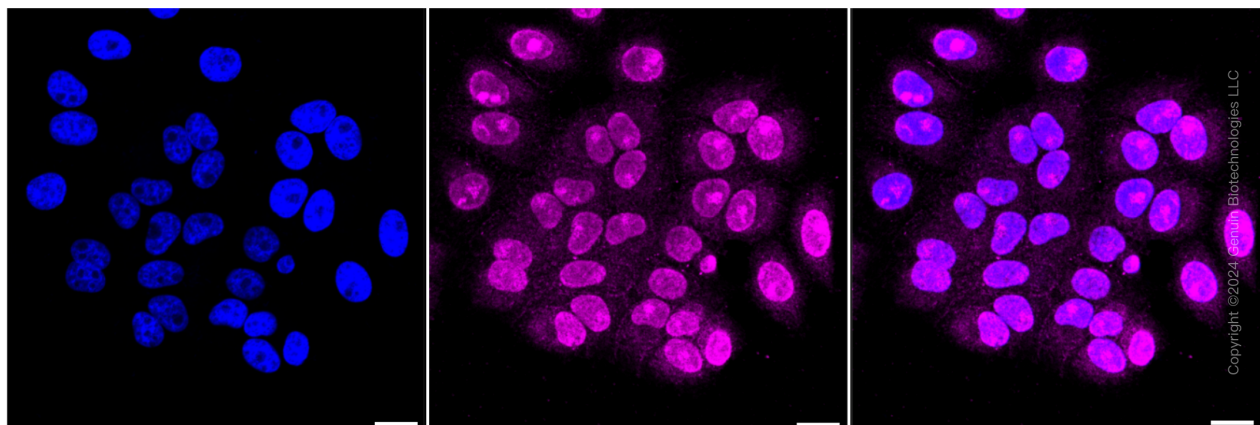
[WWW.GENUINBIOTECH.COM](http://WWW.GENUINBIOTECH.COM)

# KD-Validated Anti-Carbonic anhydrase 9 Recombinant Rabbit Monoclonal Antibody

PAGE 2

**Note:** This product is for research use only.

## Validation Data



Immunocytochemical staining of HepG2 cells with CA9 antibody (Cat#69190, 1:1,000). Nuclei were stained blue with DAPI; CA9 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20  $\mu$ m.

---

### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

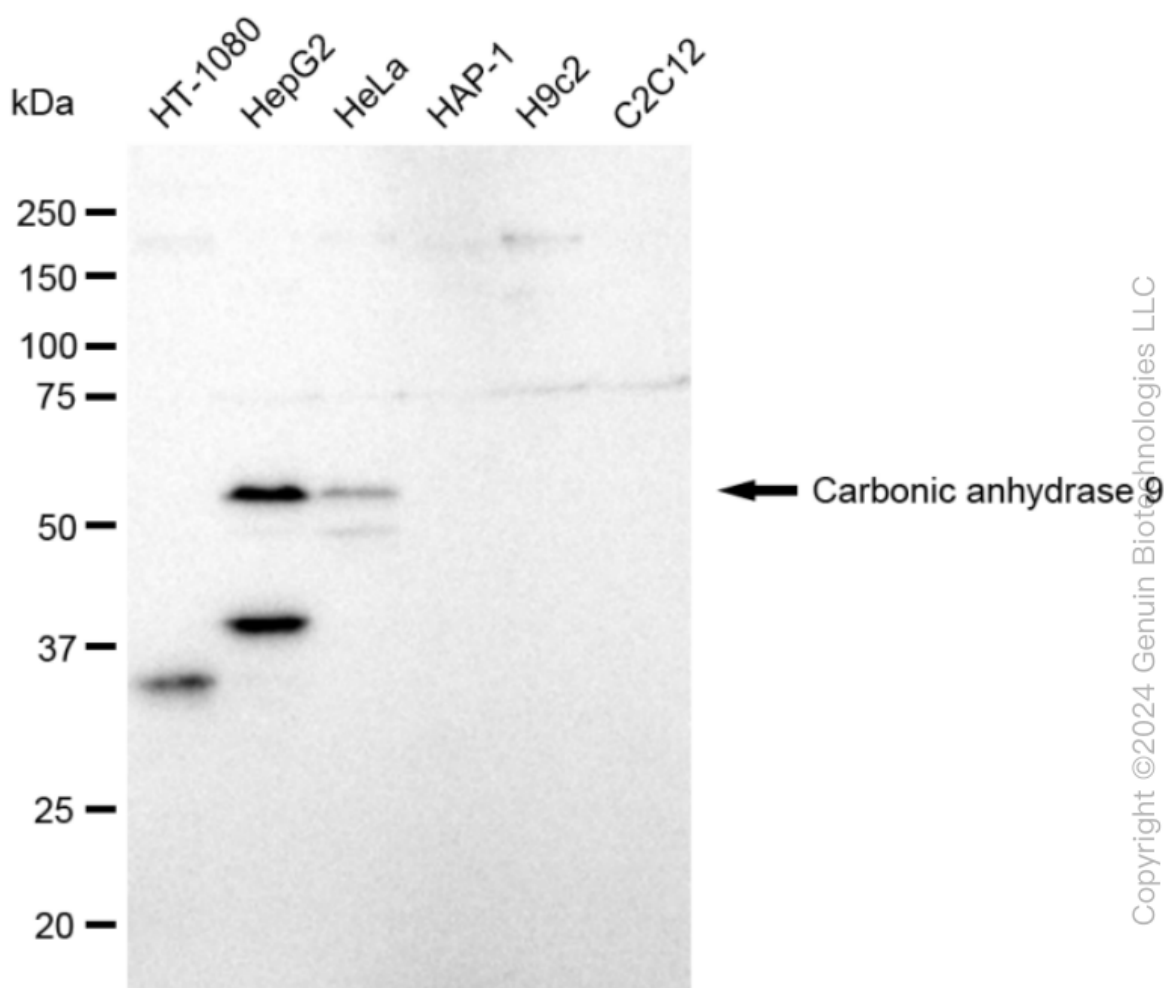
### ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

[WWW.GENUINBIOTECH.COM](http://WWW.GENUINBIOTECH.COM)

## KD-Validated Anti-Carbonic anhydrase 9 Recombinant Rabbit Monoclonal Antibody

PAGE 3



Western blotting analysis using anti-Carbonic anhydrase 9 antibody (Cat#69190). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Carbonic anhydrase 9 antibody (Cat#69190, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

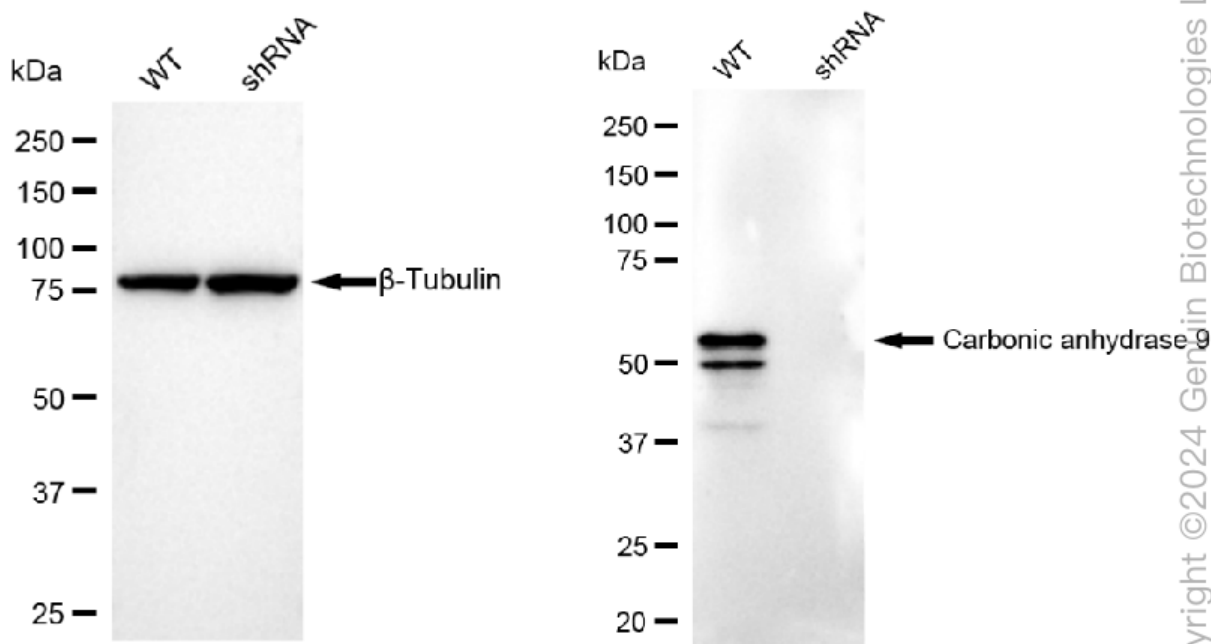
### ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM

## KD-Validated Anti-Carbonic anhydrase 9 Recombinant Rabbit Monoclonal Antibody

PAGE 4



pyright ©2024 Genin Biotechnologies LL

Western blotting analysis using anti-Carbonic anhydrase 9 antibody (Cat#69190). Carbonic anhydrase 9 expression in wild type (WT) and Carbonic anhydrase 9 shRNA knockdown (KD) HeLa cells with 20  $\mu$ g of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with anti-Carbonic anhydrase 9 antibody (Cat#69190, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ<sup>TM</sup> ECL Substrate Kit (Cat#716).

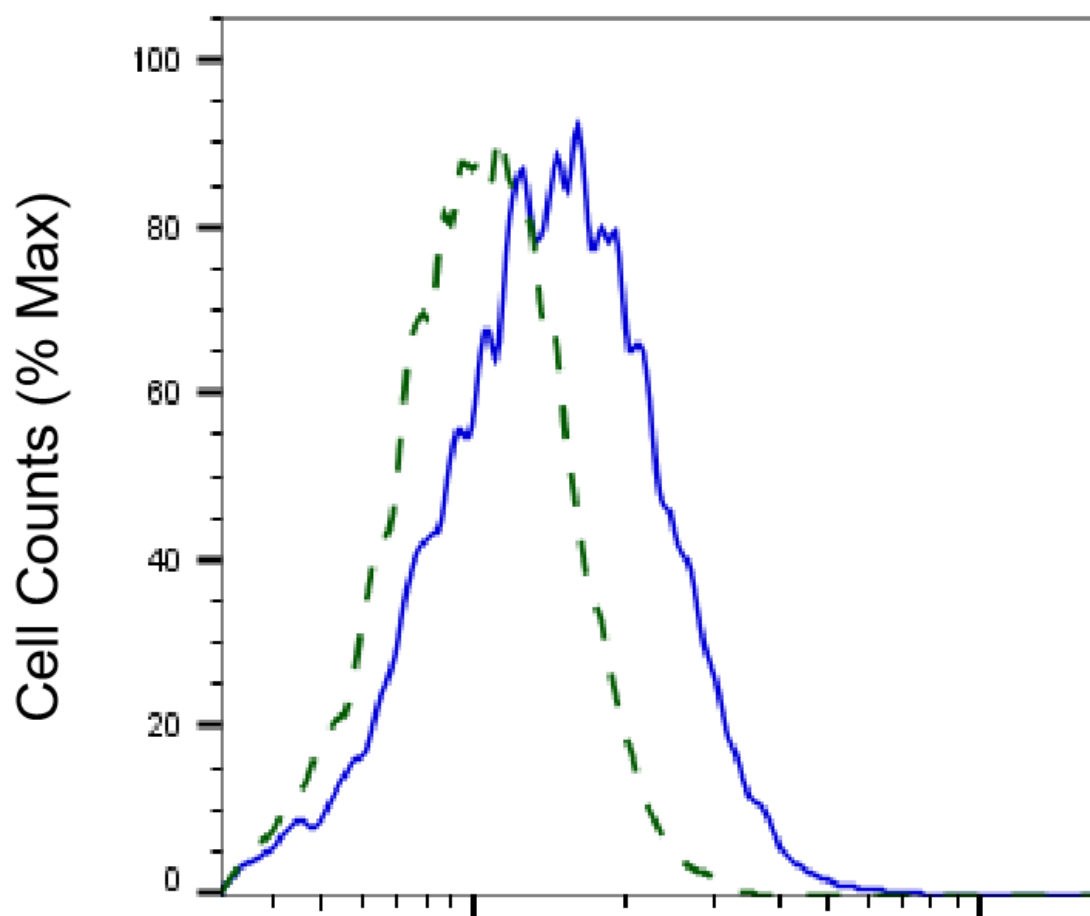
### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

### ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

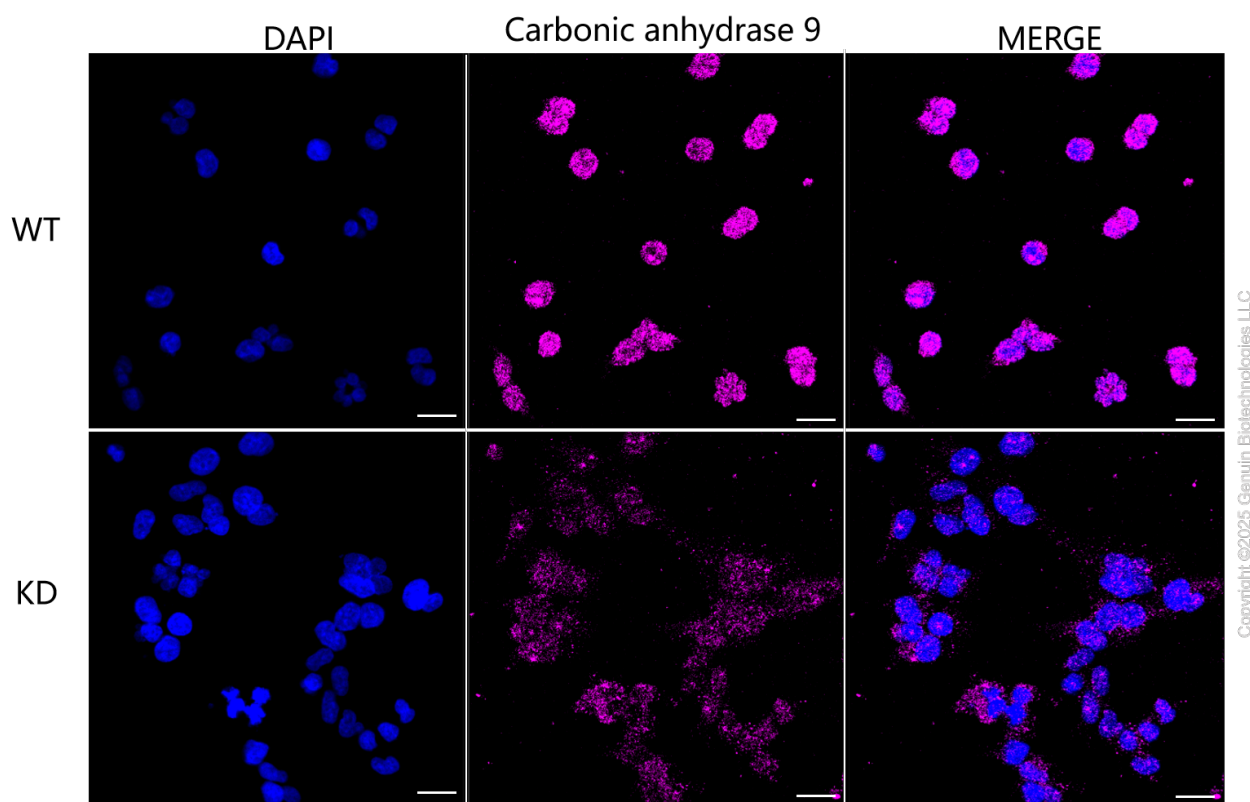
[WWW.GENUINBIOTECH.COM](http://WWW.GENUINBIOTECH.COM)



Copyright ©2025 Genuin Biotechnologies LLC

## Carbonic Anhydrase IX-Alexa Fluor® 647

Validation of Carbonic Anhydrase IX knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-Carbonic Anhydrase IX antibody (Cat#69190, 1:2,000) and analyzed using BD flow cytometer.



Immunocytochemical staining of HeLa cells using anti-Carbonic anhydrase 9 antibody (Cat#69190, 1:1,000), Top panel: wild-type (WT); Bottom panel: Carbonic anhydrase 9 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Carbonic anhydrase 9 was stained magenta with Alexa Fluor® 647. Scale bar, 20  $\mu$ m.