

**KD-Validated Anti-Carbonic anhydrase 9 Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI2352****Specification****KD-Validated Anti-Carbonic anhydrase 9 Rabbit Monoclonal Antibody - Product Information**

Application	WB, ICC
Primary Accession	<a href="#">Q16790</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 50 kDa , observed, 54 kDa KDa
Gene Name	CA9
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
Immunogen	A synthesized peptide derived from human CA9

**KD-Validated Anti-Carbonic anhydrase 9 Rabbit Monoclonal Antibody - Additional Information**

Gene ID 768

**Other Names**

Carbonic anhydrase 9, 4.2.1.1, 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, CA9, G250, MN

**KD-Validated Anti-Carbonic anhydrase 9 Rabbit Monoclonal Antibody - Protein Information****Name** CA9**Synonyms** G250, MN**Function**

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

**Cellular Location**

Nucleus. Nucleus, nucleolus. Cell membrane; Single-pass type I membrane protein. Cell projection, microvillus membrane; Single-pass type I membrane protein. Note=Found on the surface microvilli

and in the nucleus, particularly in nucleolus

### Tissue Location

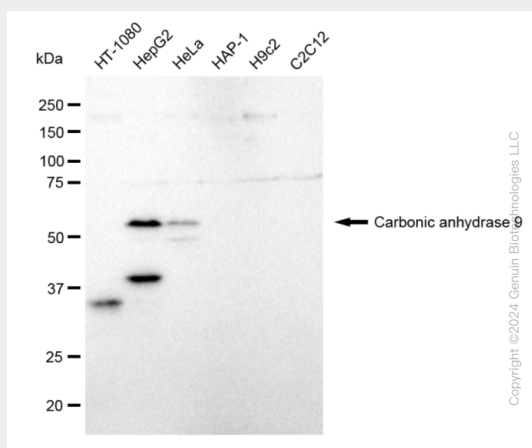
Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa

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

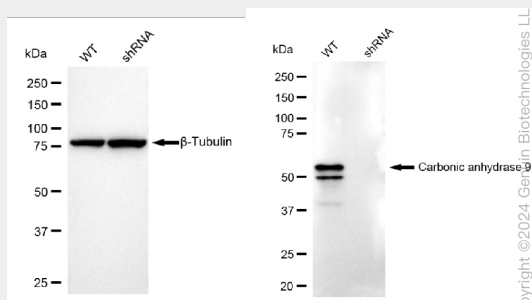
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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

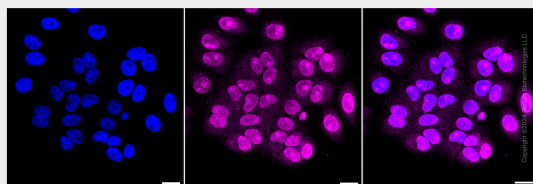


Western blotting analysis using anti-Carbonic anhydrase 9 antibody (Cat#AGI2352). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Carbonic anhydrase 9 antibody (Cat#AGI2352, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Carbonic anhydrase 9 antibody (Cat#AGI2352). Carbonic anhydrase 9 expression in wild type (WT) and Carbonic anhydrase 9 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Carbonic anhydrase 9 antibody (Cat#AGI2352, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

anti-rabbit secondary antibody respectively.



Immunocytochemical staining of HepG2 cells with CA9 antibody (Cat#AGI2352, 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.