

**Anti-Carbonic Anhydrase 9 Antibody Antibody**  
**Mouse monoclonal antibody to Carbonic Anhydrase 9**  
**Catalog # AP61574**

**Specification**

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**Anti-Carbonic Anhydrase 9 Antibody Antibody - Product Information**

Application	<b>WB, IP</b>
Primary Accession	<a href="#">Q16790</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Calculated MW	<b>49698</b>

**Anti-Carbonic Anhydrase 9 Antibody Antibody - Additional Information**

**Gene ID** 768

**Other 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

**Target/Specificity**

Recognizes endogenous levels of Carbonic Anhydrase 9 protein. protein.

**Dilution**

WB~~WB (1/1000 - 1/3000), IH (1/100 - 1/200), IP (1/50 - 1/200)  
IP~~WB (1/1000 - 1/3000), IH (1/100 - 1/200), IP (1/50 - 1/200)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-Carbonic Anhydrase 9 Antibody 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

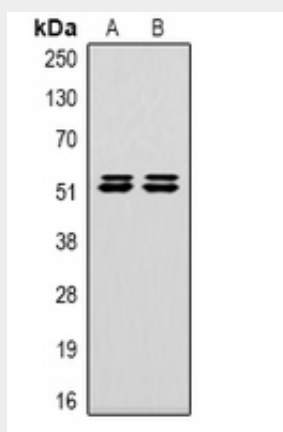
Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa

#### Anti-Carbonic Anhydrase 9 Antibody - Protocols

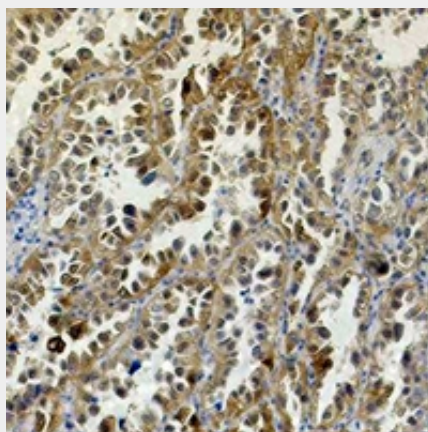
Provided below are standard protocols that you may find useful for product applications.

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

#### Anti-Carbonic Anhydrase 9 Antibody - Images

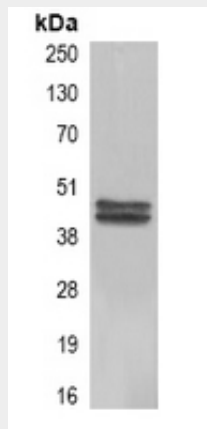


Western blot analysis of Carbonic Anhydrase 9 expression in HeLa (A), 293T (B) whole cell lysates.



Immunohistochemical analysis of Carbonic Anhydrase 9 staining in human lung 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.



Immunoprecipitation of Carbonic Anhydrase 9 from 0.5mg Hela whole cell extract lysate, using Anti-Carbonic Anhydrase 9 Antibody Antibody.

#### **Anti-Carbonic Anhydrase 9 Antibody Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence of human Carbonic Anhydrase 9. The exact sequence is proprietary.