

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

Anti-Carbonic Anhydrase 9 Antibody Antibody - Product Information

Application	WB, IP, IHC
Primary Accession	Q16790
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	49698

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)

IHC~~1:100~500

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

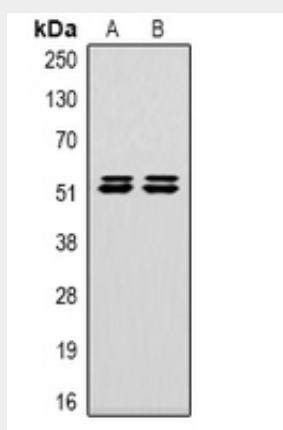
Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa

Anti-Carbonic Anhydrase 9 Antibody - Protocols

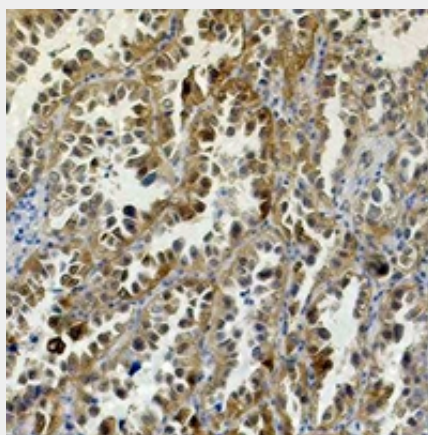
Provided below are standard protocols that you may find useful for product applications.

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

Anti-Carbonic Anhydrase 9 Antibody - Images

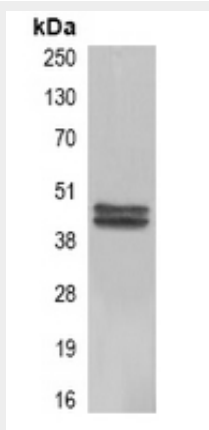


Western blot analysis of Carbonic Anhydrase 9 expression in Hela (A), 293T (B) whole cell lysates.



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.

Anti-Carbonic Anhydrase 9 Antibody - Background

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