

#### CAIX9

Mouse Monoclonal Antibody (Mab)
Catalog # APA054

# **Specification**

# **CA IX 9 - Product Information**

Application IHC
Primary Accession Q16790
Host Mouse
Clonality Monoclonal
Calculated MW 49698 Da

### **CA IX 9 - Additional Information**

Gene ID 768
Gene Name CA9

**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

**Dilution** 

IHC~~1:100~500

Storage Maintain refrigerated at 2-8°C for up to 2

weeks. For long term storage store at -20°C in small aliquots to prevent

freeze-thaw cycles.

Precautions CA IX 9 is for research use only and not for

use in diagnostic or therapeutic

procedures.

### **CA IX 9 - Protein Information**

Name CA9

Synonyms G250, MN

Function Reversible hydration of carbon dioxide.

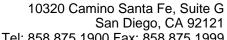
Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia.

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



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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

# **CAIX9-Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

CA IX 9 - Images