10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CA9 Antibody
Rabbit mAb
Catalog # AP90595

Specification

CA9 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q16790
Clonality	**Monoclonal**

Other Names
MN; P54/58N; CAIX; CA9; Carbonic anhydrase IX; CAH9;

Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**49698 Da**

CA9 Antibody - Additional Information

Dilution	**WB~~1:1000** **IHC~~1:100~500**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human CA9**
Description	**CA IX is a transmembrane protein and the only tumor-associated carbonic anhydrase isoenzyme known. It is expressed in all clear-cell renal cell carcinoma, but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation. 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.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

CA9 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

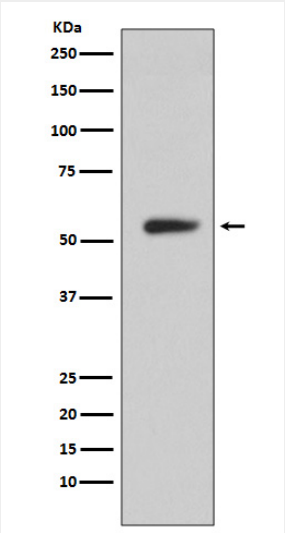
Tissue Location
Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa

CA9 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 Cytomety
- Cell Culture

CA9 Antibody - Images



Western blot analysis of CA9 expression in Human stomach lysate.