

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

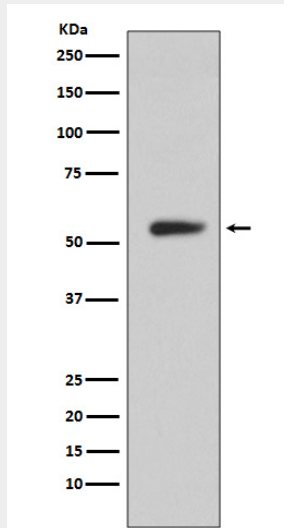
Expressed primarily in carcinoma cells lines. Expression is restricted to very few normal tissues and the most abundant expression is found in the epithelial cells of gastric mucosa

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 Cytometry](#)
- [Cell Culture](#)

CA9 Antibody - Images



Western blot analysis of CA9 expression in Human stomach lysate.