

# CA IX Monoclonal Antibody(12F10)

Catalog # AP63330

## Product Information

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

## Additional Information

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<b>Gene ID</b>	768
<b>Other Names</b>	CA9; 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
<b>Dilution</b>	IF~IF: 1:50-200 WB: 1:3000 IP:1:200 IHC 1:50-300 ICC~~N/A WB~~IF: 1:50-200 WB: 1:3000 IP:1:200 IHC 1:50-300 IHC~~1:100~500 IP~~N/A
<b>Format</b>	PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.
<b>Storage Conditions</b>	-20°C

## Protein Information

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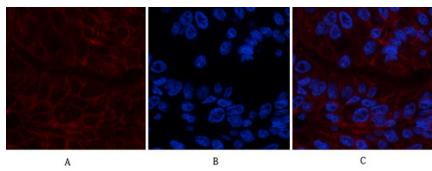
<b>Name</b>	CA9
<b>Synonyms</b>	G250, MN
<b>Function</b>	Catalyzes the interconversion between carbon dioxide and water and the dissociated ions of carbonic acid (i.e. bicarbonate and hydrogen ions).
<b>Cellular Location</b>	Nucleus. Nucleus, nucleolus. Cell membrane; Single-pass type I membrane protein. Cell projection, microvillus membrane; Single-pass type I membrane protein. Note=Found on the surface microvilli and in the nucleus, particularly in nucleolus
<b>Tissue Location</b>	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

## Background

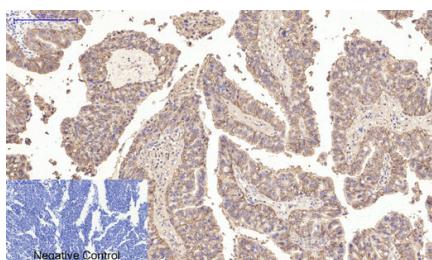
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Reversible hydration of carbon dioxide. Participates in pH regulation. May be involved in the control of cell proliferation and transformation. Appears to be a novel specific biomarker for a cervical neoplasia.

## Images

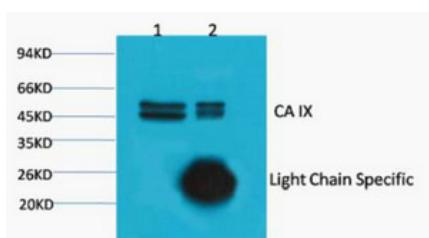
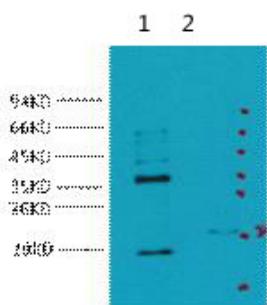


Immunofluorescence analysis of human-liver-cancer tissue. 1,CA IX Monoclonal Antibody(12F10)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

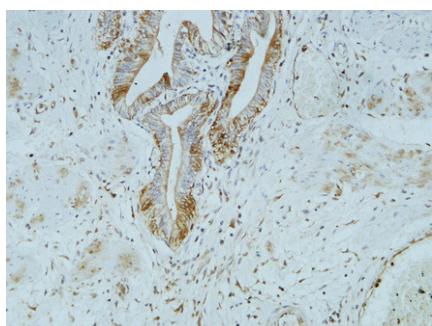


Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue. 1,CA IX Monoclonal Antibody(12F10) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

Western blot analysis of 1) Hela, 2) 293T, diluted at 1:5000. cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

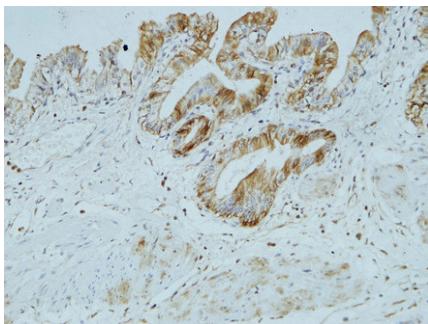


1) Input: Hela Cell Lysate 2) IP product: IP dilute 1:200

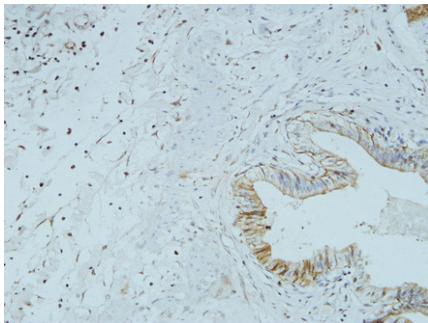


Immunohistochemical analysis of paraffin-embedded Human gallbladder. 1, Antibody was diluted at 1:100(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

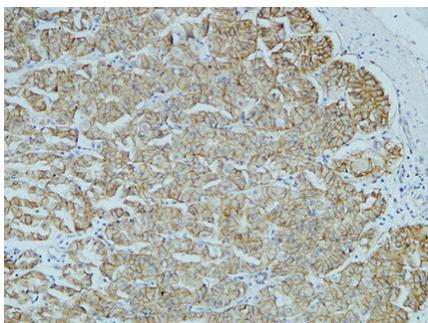
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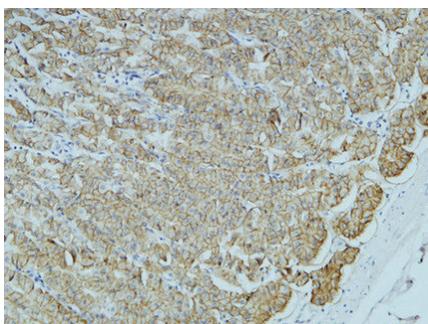
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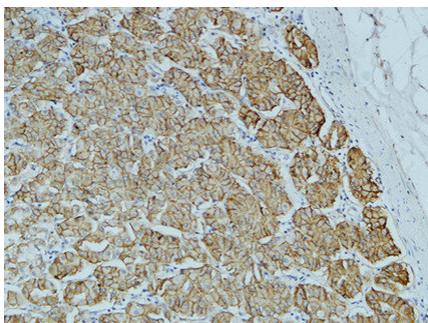
Immunohistochemical analysis of paraffin-embedded Human stomach. 1, Antibody was diluted at 1:100(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



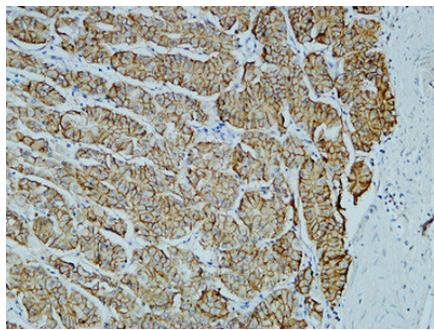
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