

## CA IX Polyclonal Antibody

Catalog number: 11071-1-AP

Size: 40 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

CA9; CA IX, CA9, CAIX,

Carbonate dehydratase IX,

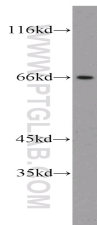
Carbonic anhydrase 9, carbonic

anhydrase IX, G250, Membrane

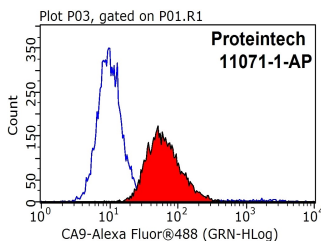
antigen MN, MN, P54/58N,

pMW1, RCC associated antigen

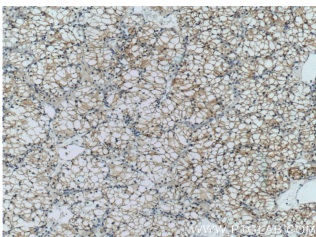
G250



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11071-1-AP(CA9 antibody) at dilution of 1:1000



1X10<sup>6</sup> HEK-293 cells were stained with 0.2ug CA9 antibody (11071-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunohistochemistry of paraffin-embedded human renal cell carcinoma tissue slide using 11071-1-AP( CA9 Antibody) at dilution of 1:50 (under 10x lens)

### Background

CA9(Carbonic anhydrase 9) may be involved in the control of cell proliferation and transformation and appears to be a novel specific biomarker for a cervical neoplasia(PMID:18703501).It is a tumor-associated antigen that has been shown to have diagnostic utility in identifying cervical dysplasia and carcinoma.The protein is present both on the plasma membrane and in the nucleus of cells and has the molecular weight of 66 kDa. It was observed the 54KDa and 58 Kda bands in A549(JOC,vol21,no.3,473-482).

### Applications

Tested applications:	ELISA, WB, IP, FC, IHC
Cited applications:	IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated CA IX MW:	459aa,50 kDa
Observed CA IX MW:	60-70 kDa
Positive WB detected in	HEK-293 cells, A375 cells, A431 cells, A549 cells, HeLa cells, HepG2 cells, MCF7 cells, mouse brain tissue, mouse kidney tissue, mouse skin tissue, rat brain tissue
Positive IP detected in	Mouse liver tissue
Positive IHC detected in	Human renal cell carcinoma tissue, human liver cancer tissue, human lung cancer tissue, human prostate cancer tissue, human stomach cancer tissue, human stomach tissue
Positive FC detected in	HEK-293 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 FC: N/A

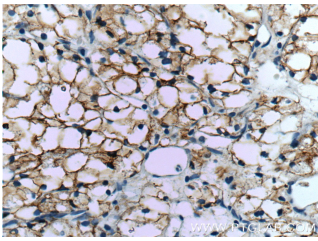
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

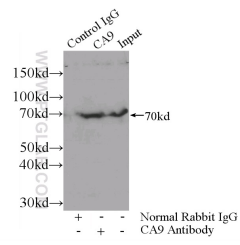
Immunogen:	Ag1540
GenBank accession number:	BC014950
Gene ID (NCBI):	768
Full name:	Carbonic anhydrase IX

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**Immunohistochemistry of paraffin-embedded human renal cell carcinoma tissue slide using 11071-1-AP( CA9 Antibody) at dilution of 1:50 (under 40x lens)**



**IP Result of anti-CA9 (IP:11071-1-AP, 4ug; Detection:11071-1-AP 1:500) with mouse liver tissue lysate 4000ug.**