

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66243-1-Ig	<b>GenBank-Zugangsnummer:</b> BC014950	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul , Konzentration: 2900 µg/ml von768 Nanodrop und 1360 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> Vollständiger Name: carbonic anhydrase IX	<b>CloneNo.:</b> 1G4G5
<b>Wirt:</b> Maus	<b>Berechnete Masse:</b> 459 aa, 50 kDa	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:6000 IHC 1:20-1:200
<b>Isotyp:</b> IgG2a	<b>Beobachtete Masse:</b> 50 kDa	
<b>Immunogen Katalognummer:</b> AG1540		

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : U-87 MG-Zellen, Hausschwein-Hirngewebe, Hausschwein-Magengewebe IHC : humanes Nierenzellkarzinomgewebe,
<b>In Publikationen genannte Anwendungen:</b> IF, WB	
<b>Getestete Reaktivität:</b> Hausschwein, Human, Kaninchen, Maus	
<b>Zitierte Arten:</b> Human	
<b>Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

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 54kDa and 58 kDa bands in A549.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shaoquan Zheng	32521117	Mol Oncol	IF
Qiangqiang Liu	35913115	Elife	IF
Fangquan Chen	36640329	Cell Rep	WB

## Lagerung

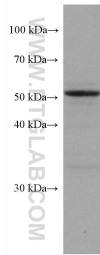
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

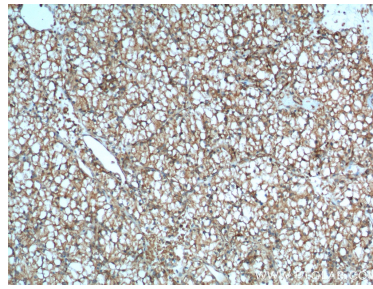
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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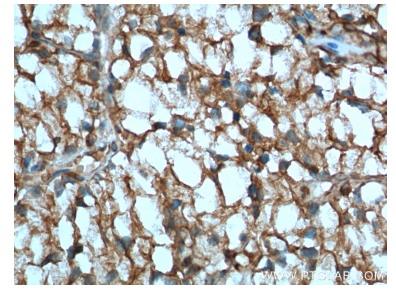
## Ausgewählte Validierungsdaten



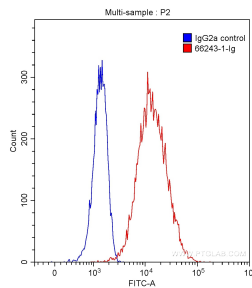
U-87 MG cells were subjected to SDS PAGE followed by western blot with 66243-1-Ig (CA9 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 66243-1-Ig (CA9 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 66243-1-Ig (CA9 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HEK-293 cells were stained with 0.20 ug/test Anti-Human CA9 (66243-1-Ig, Clone:1G4G5) (red) or 0.20 ug control antibody (blue) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. Fixed with 90% MeOH.