

For Research Use Only

Carbonic Anhydrase IX/CA9 Recombinant monoclonal antibody

Catalog Number: 84233-8-RR



Basic Information

Catalog Number: 84233-8-RR	GenBank Accession Number: BC014950	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 768	CloneNo.: 241573F12
Source: Rabbit	UNIPROT ID: Q16790	Recommended Dilutions: IHC: 1:250-1:1000
Isotype: IgG	Full Name: carbonic anhydrase IX	
Immunogen Catalog Number: AG36941	Calculated MW: 459 aa, 50 kDa	

Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

IHC : human kidney(renal cell) cancer, human renal
cell carcinoma tissue

Background Information

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 in the cytoplasmic membrane and the nucleus, with a molecular weight of 50 kDa. The molecular weight of the glycosylated form is approximately 60-70 kDa. (PMID: 31142270, PMID: 31819036)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

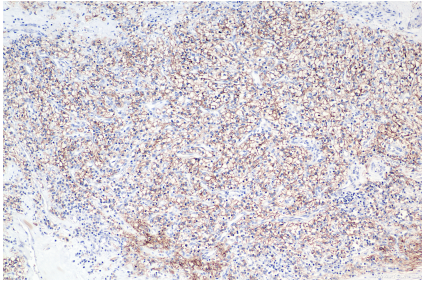
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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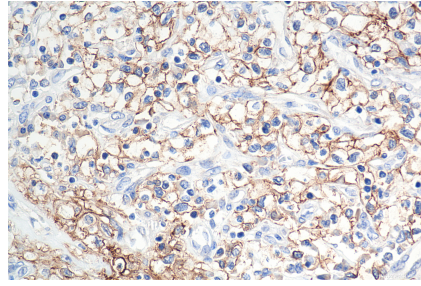
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human renal cell cancer slide using 84233-8-RR (Carbonic Anhydrase IX/CA9 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human renal cell cancer slide using 84233-8-RR (Carbonic Anhydrase IX/CA9 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

