

For Research Use Only

Carbonic Anhydrase IX/CA9 Recombinant monoclonal antibody, PBS Only



Catalog Number: 84233-8-PBS

Basic Information

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

Applications

Tested Applications:
IHC, Indirect ELISA

Species Specificity:
human

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

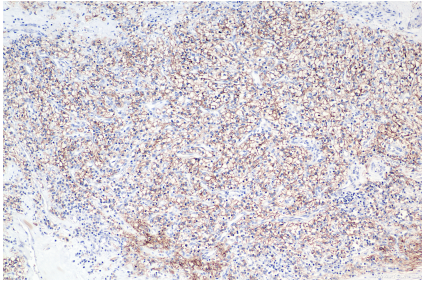
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

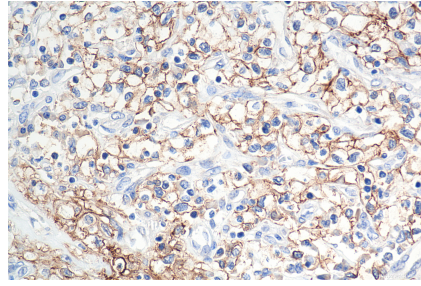
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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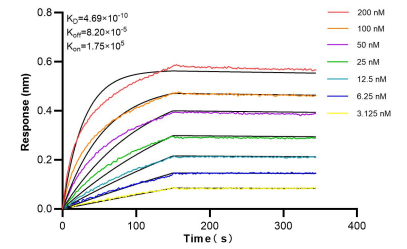
Selected Validation Data



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). This data was developed using the same antibody clone with 84233-8-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84233-8-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 84233-8-RR against Human Carbonic Anhydrase IX/CA9 were performed. The affinity constant is 0.469 nM.