

For Research Use Only

Carbonic Anhydrase IX/CA9 Recombinant antibody

Catalog Number: 84233-1-RR



Basic Information

Catalog Number: 84233-1-RR	GenBank Accession Number: BC014950	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 768	CloneNo.: 241573A4
Source: Rabbit	UNIPROT ID: Q16790	Recommended Dilutions: IHC 1:1000-1:4000
Isotype: IgG	Full Name: carbonic anhydrase IX	
Immunogen Catalog Number: AG36941	Calculated MW: 459 aa, 50 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse stomach tissue,
Species Specificity: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 both on the plasma membrane and in the nucleus of cells and has the molecular. (PMID: 31819036).

Storage

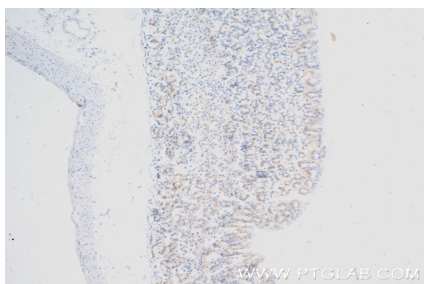
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

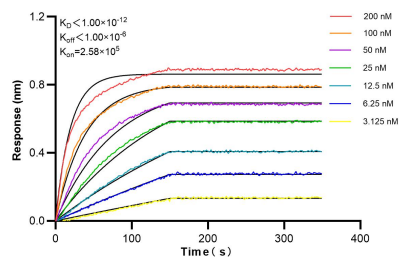
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 84233-1-RR (CA9 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 84233-1-RR against Human CA9 were performed. The affinity constant is below 1 pM.