

For Research Use Only

Carbonic Anhydrase IX/CA9 Recombinant antibody

Catalog Number: 84233-1-RR



Basic Information

Catalog Number:

84233-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36941

GenBank Accession Number:

BC014950

GeneID (NCBI):

768

UNIPROT ID:

Q16790

Full Name:

carbonic anhydrase IX

Calculated MW:

459 aa, 50 kDa

Purification Method:

Protein A purification

CloneNo.:

241573A4

Recommended Dilutions:

IHC 1:1000-1:4000

Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human, mouse

Positive Controls:

IHC : mouse stomach tissue,

**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

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

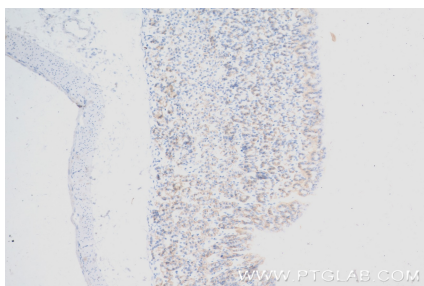
T: 4006900926

E: Proteintech-CN@ptglab.com

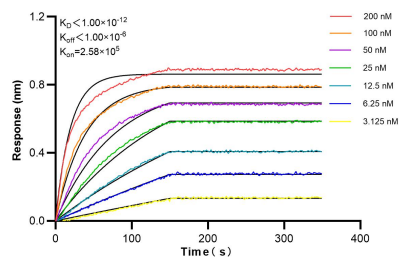
W: ptgcn.com

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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.