

For Research Use Only

# CA9 Recombinant antibody

Catalog Number: 84233-1-RR



## Basic Information

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

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC: mouse stomach tissue,
<b>Species Specificity:</b> 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

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

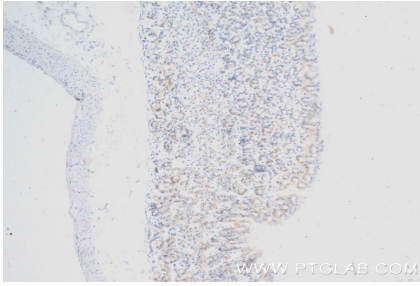
T: 4006900926

E: Proteintech-CN@ptglab.com

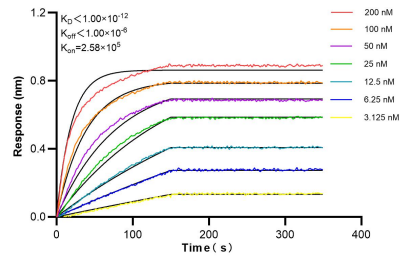
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## Selected Validation Data



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.