

For Research Use Only

CA1 Recombinant antibody

Catalog Number: 86000-1-RR



Basic Information

Catalog Number:

86000-1-RR

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3932

GenBank Accession Number:

BC027890

GeneID (NCBI):

759

UNIPROT ID:

P00915

Full Name:

carbonic anhydrase I

Calculated MW:

261 aa, 29 kDa

Observed MW:

29 kDa

Purification Method:

Protein A purification

CloneNo.:

250632A9

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : K-562 cells, RAW 264.7 cells, mouse brain tissue, rat brain tissue

Background Information

CA1(Carbonic anhydrase 1) is also named as CAB and belongs to the alpha-carbonic anhydrase family, which may reside in cytoplasm, in mitochondria, or in secretory granules, or associate with membranes in cell. It forms a large family of genes encoding zinc metalloenzymes of great physiologic importance. Extracellular CA1 mediates hemorrhagic retinal and cerebral vascular permeability through prekallikrein activation(PMID:17259996).

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

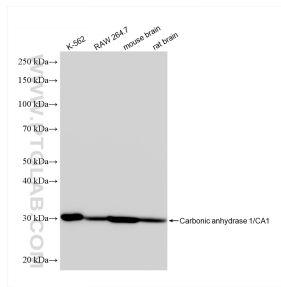
For technical support and original validation data for this product please contact:

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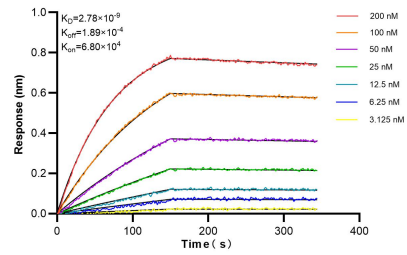
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86000-1-RR (CA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86000-1-RR against Human CA1 were performed. The affinity constant is 2.78 nM.