

For Research Use Only

CA1 Recombinant antibody, PBS Only

Catalog Number: 86000-1-PBS



Basic Information

Catalog Number:

86000-1-PBS

Size:

100ug , Concentration: 1 mg/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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS only, pH7.3

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

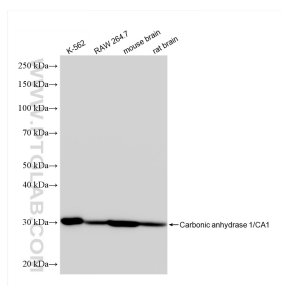
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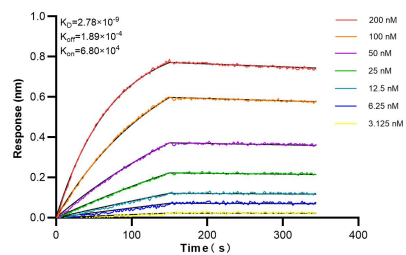
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Selected Validation Data



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. This data was developed using the same antibody clone with 86000-1-PBS in a different storage buffer formulation.



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