

For Research Use Only

CA1 Recombinant antibody, PBS Only

Catalog Number: 86000-1-PBS



Basic Information

Catalog Number: 86000-1-PBS	GenBank Accession Number: BC027890	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 759	CloneNo.: 250632A9
Source: Rabbit	UNIPROT ID: P00915	
Isotype: IgG	Full Name: carbonic anhydrase I	
Immunogen Catalog Number: AG3932	Calculated MW: 261 aa, 29 kDa	
	Observed MW: 29 kDa	

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

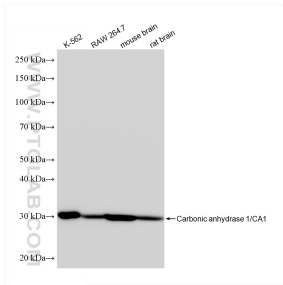
T: 4006900926

E: Proteintech-CN@ptglab.com

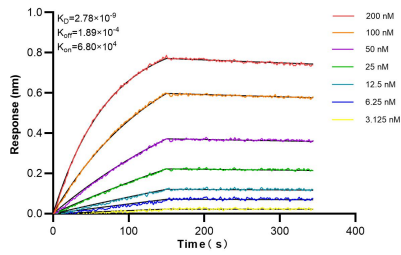
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.