

For Research Use Only

CA4 Recombinant antibody, PBS Only

Catalog Number: 85706-1-PBS



Basic Information

Catalog Number:

85706-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4960

GenBank Accession Number:

BC057792

GeneID (NCBI):

762

UNIPROT ID:

P22748

Full Name:

carbonic anhydrase IV

Calculated MW:

35 kDa

Observed MW:

35 kDa

Purification Method:

Protein A purification

CloneNo.:

242975A3

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

CA4 (Carbonic anhydrase 4) is a glycosylphosphatidyl-inositol-anchored membrane isozyme expressed on the luminal surfaces of pulmonary, chorionic (and certain other) capillaries and of proximal renal tubules. It plays a critical role by maintaining the pH in the outer retina, which is important for the normal function of photoreceptors. This protein belongs to the alpha-carbonic anhydrase family.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only

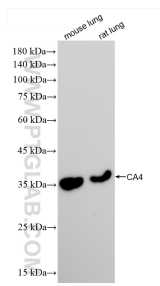
For technical support and original validation data for this product please contact:

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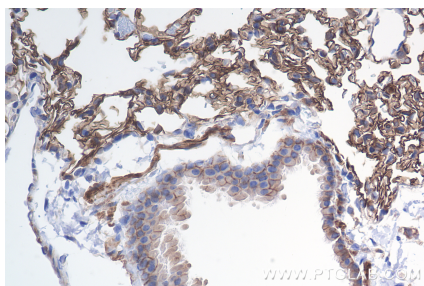
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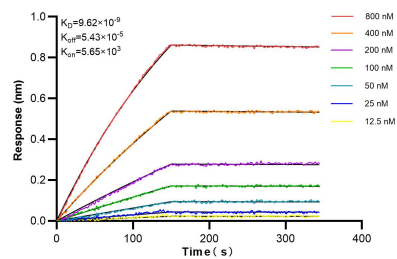
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85706-1-RR (CA4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85706-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 85706-1-RR (CA4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85706-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85706-1-RR against Human CA4 were performed. The affinity constant is 9.62 nM.