

For Research Use Only

CA11 Recombinant antibody

Catalog Number: 83082-4-RR



Basic Information

Catalog Number:

83082-4-RR

Size:

100ul, Concentration: 1000 ug/ml by 770

Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33373

GenBank Accession Number:

BC002662

GeneID (NCBI):

770

UNIPROT ID:

O75493

Full Name:

carbonic anhydrase XI

Calculated MW:

36 kDa

Purification Method:

Protein A purification

CloneNo.:

230390F7

Recommended Dilutions:

IF/ICC 1:125-1:500

Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : U2OS cells,

Background Information

CA11(Carbonic anhydrase-related protein 11) is also named CARP2, and CARP XI and belongs to the alpha-carbonic anhydrase family. CARP XI is observed in the cerebellum, cerebrum, liver, stomach, small intestine, colon, kidney, and testis by immunohistochemical, and in the cerebellum, the most prominent signal is located in the Purkinje cells(PMID:20356370). CARP XI contains a hydrophobic N-terminal region for a possible signal sequence and asparagine glycosylation site and it plays a general role in the human central nervous system(PMID: 10350627).

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

*** 20ul sizes contain 0.1% BSA

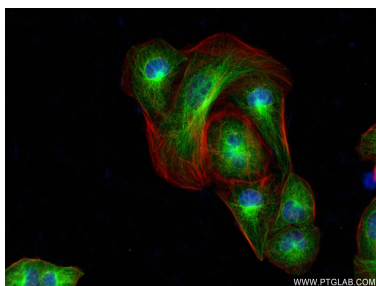
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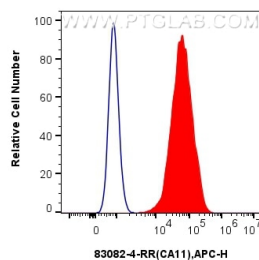
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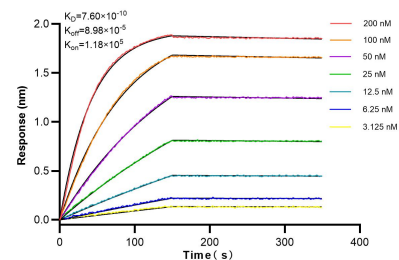
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CA11 antibody (83082-4-RR, Clone: 230390F7) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



1×10^6 A431 cells were intracellularly stained with 0.25 μ g CA11 Recombinant antibody (83082-4-RR, Clone:230390F7) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83042-4-RR against Human CA11 were performed. The affinity constant is 0.78 nM.