

For Research Use Only

# CA11 Recombinant antibody, PBS Only

Catalog Number:83082-4-PBS



## Basic Information

<b>Catalog Number:</b> 83082-4-PBS	<b>GenBank Accession Number:</b> BC002662	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 770	<b>CloneNo.:</b> 230390F7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75493	
<b>Isotype:</b> IgG	<b>Full Name:</b> carbonic anhydrase XI	
<b>Immunogen Catalog Number:</b> AG33373	<b>Calculated MW:</b> 36 kDa	

## Applications

**Tested Applications:**  
IF/ICC, FC (Intra), Indirect ELISA

**Species Specificity:**  
human

## 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 -80°C.

**Storage Buffer:**  
PBS Only

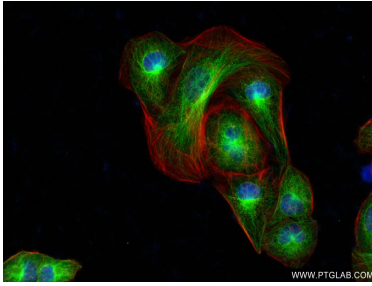
For technical support and original validation data for this product please contact:

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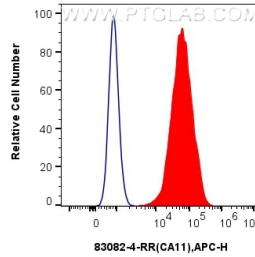
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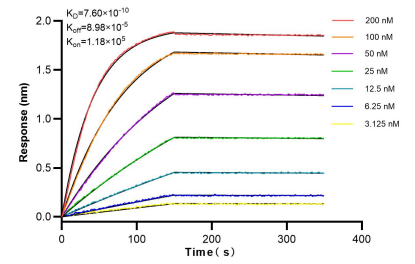
## Selected Validation Data



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). This data was developed using the same antibody clone with 83082-4-PBS in a different storage buffer formulation.



1x10<sup>6</sup> A431 cells were intracellularly stained with 0.25 ug CA11 Recombinant antibody (83082-4-RR, Clone:230390F7) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83082-4-PBS in a different storage buffer formulation.



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