

For Research Use Only

# CA11 Recombinant antibody

Catalog Number: 83082-4-RR



## Basic Information

<b>Catalog Number:</b> 83082-4-RR	<b>GenBank Accession Number:</b> BC002662	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 770	<b>CloneNo.:</b> 230390F7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75493	<b>Recommended Dilutions:</b> IF 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> carbonic anhydrase XI	
<b>Immunogen Catalog Number:</b> AG33373	<b>Calculated MW:</b> 36 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC,FC,ELISA	<b>Positive Controls:</b> IF : U2OS cells,
<b>Species Specificity:</b> 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 -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

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

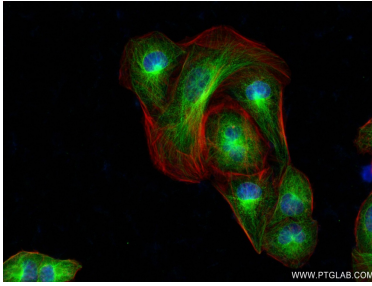
T: 4006900926

E: Proteintech-CN@ptglab.com

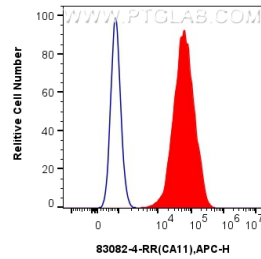
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## Selected Validation Data



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).



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).