

For Research Use Only

# C9orf89 Recombinant antibody

Catalog Number: 85357-1-RR



## Basic Information

<b>Catalog Number:</b> 85357-1-RR	<b>GenBank Accession Number:</b> BC004500	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 84270	<b>CloneNo.:</b> 242638F7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96LW7	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> chromosome 9 open reading frame 89	
<b>Immunogen Catalog Number:</b> AG14084	<b>Calculated MW:</b> 228 aa, 26 kDa	
	<b>Observed MW:</b> 15-21 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> HeLa cells, A549 cells, C2C12 cells, H9C2 cells, rat kidney tissue, mouse kidney tissue, human placenta tissue
	<b>IF/ICC :</b> A431 cells,

## Background Information

C9orf89 (also known as CARD19 or BinCARD) is a mitochondria-localized protein that inhibits BCL10-induced NF- $\kappa$ B activation mainly through its caspase recruitment structural domain (CARD). It plays a role in T cell receptor (TCR) signaling, but deletion of endogenous CARD19 has a lesser effect on Bcl10-dependent NF- $\kappa$ B activation. In addition, C9orf89 is expressed in multiple cell types and is involved in the regulation of inflammatory and immune responses.

## 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:

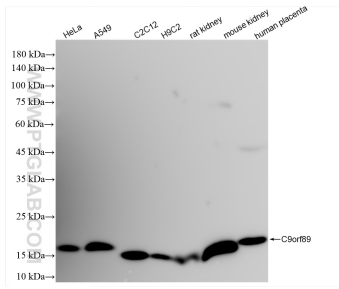
T: 4006900926

E: Proteintech-CN@ptglab.com

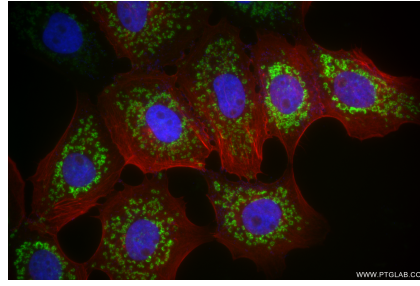
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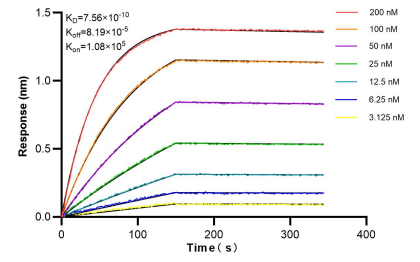
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85357-1-RR (C9orf89 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using C9orf89 antibody (85357-1-RR, Clone: 242638F7) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 85357-1-RR against Human C9orf89 were performed. The affinity constant is 0.756 nM.