

For Research Use Only

# CARHSP1 Recombinant antibody

Catalog Number: 83300-3-RR



## Basic Information

<b>Catalog Number:</b> 83300-3-RR	<b>GenBank Accession Number:</b> BC003366	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 23589	<b>CloneNo.:</b> 230489A2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y2V2	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> calcium regulated heat stable protein 1, 24kDa	
<b>Immunogen Catalog Number:</b> AG2265	<b>Calculated MW:</b> 147 aa, 16 kDa	
	<b>Observed MW:</b> 22 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : A549 cells, HepG2 cells, HEK-293T cells
<b>Species Specificity:</b> human	

## Background Information

CARHSP1 (calcium-regulated heat-stable protein 1, a 24 kDa protein also known as CRHSP-24) is a ubiquitously expressed phosphoprotein that is comprised of 147 amino acids with nearly 14% proline (PMID: 21990353, 30257675). CARHSP1 was discovered as a biomarker for diabetic retinopathy and as a regulator of TNF- $\alpha$  mRNA stability in macrophages (PMID: 21078874). CARHSP1 may be involved in oxidative stress via traffic between stress granules and processing bodies (PMID: 21177848).

## 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:

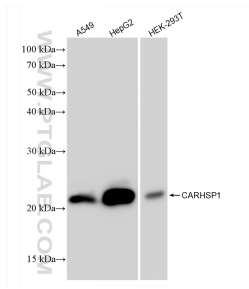
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

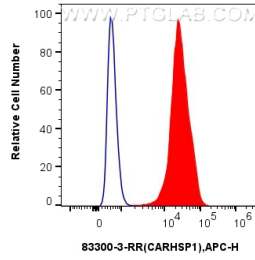
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83300-3-RR (CARHSP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.25  $\mu$ g CARHSP1 Recombinant antibody (83300-3-RR, Clone:230489A2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).