

For Research Use Only

# CARHSP1 Recombinant antibody

Catalog Number: 83300-3-RR



## Basic Information

Catalog Number:

83300-3-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2265

GenBank Accession Number:

BC003366

GeneID (NCBI):

23589

UNIPROT ID:

Q9Y2V2

Full Name:

calcium regulated heat stable protein

1, 24kDa

Calculated MW:

147 aa, 16 kDa

Observed MW:

22 kDa

Purification Method:

Protein A purification

CloneNo.:

230489A2

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : A549 cells, HEK-293 cells, HepG2 cells, HEK-293T cells

## 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:

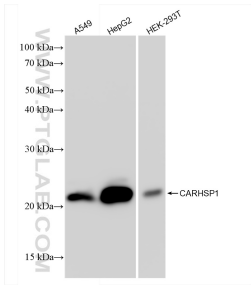
T: 4006900926

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

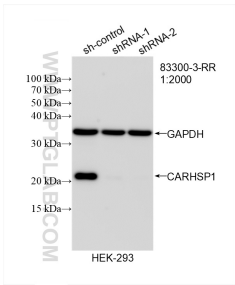
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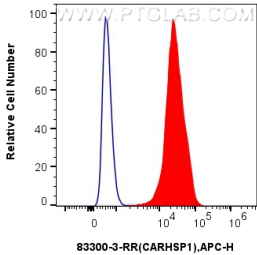
Selected Validation Data



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.



WB result of CARHSP1 antibody (83300-3-RR; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CARHSP1 transfected HEK-293 cells.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug CARHSP1 Recombinant antibody (83300-3-RR, Clone:230489A2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).