

For Research Use Only

CARHSP1 Recombinant antibody

Catalog Number: 83300-3-RR



Basic Information

Catalog Number: 83300-3-RR	GenBank Accession Number: BC003366	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 23589	CloneNo.: 230489A2
Source: Rabbit	UNIPROT ID: Q9Y2V2	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: calcium regulated heat stable protein 1, 24kDa	
Immunogen Catalog Number: AG2265	Calculated MW: 147 aa, 16 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls:
Species Specificity: human	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- α mRNA stability in macrophages (PMID: 21078874). CARHSP1 may be involved in oxidative stress via traffic between stress granules and processing bodies (PMID: 21177848).

Storage

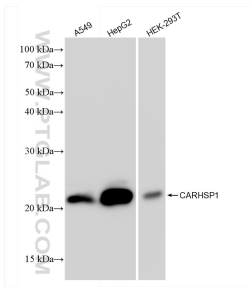
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

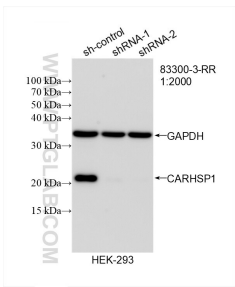
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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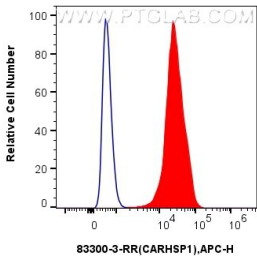
Selected Validation Data



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.



1x10⁶ 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).