

For Research Use Only

# SORBS2 Recombinant antibody

Catalog Number: 83189-3-RR



## Basic Information

<b>Catalog Number:</b> 83189-3-RR	<b>GenBank Accession Number:</b> BC011883	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 8470	<b>CloneNo.:</b> 240023A8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O94875	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> sorbin and SH3 domain containing 2	
<b>Immunogen Catalog Number:</b> AG20041	<b>Calculated MW:</b> 1100 aa, 124 kDa	
	<b>Observed MW:</b> 70-75 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> WB : L02 cells, HuH-7 cells IF/ICC : U2OS cells,
<b>Species Specificity:</b> human	

## Background Information

SORBS2, also known as ARGBP2, has three C-terminal SH3 domains and an N-terminal sorbin homology (SoHo) domain that interacts with lipid raft proteins. SORBS2 is widely expressed in human tissues and extremely abundant in the heart. In epithelial cells SORBS2 is located in stress fibers and the nucleus; In cardiac muscle cells. SORBS2 is located in the Z-disks of sarcomeres. The subcellular localization suggests that SORBS2 functions as an adapter protein to assemble signaling complexes in stress fibers, and may influence the contractile or elastic properties of cardiac sarcomeres (PMID: 9211900). Alternate splicing results in multiple transcript variants (PMID: 28961272).

## 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:

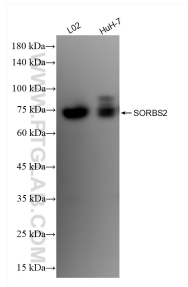
T: 4006900926

E: Proteintech-CN@ptglab.com

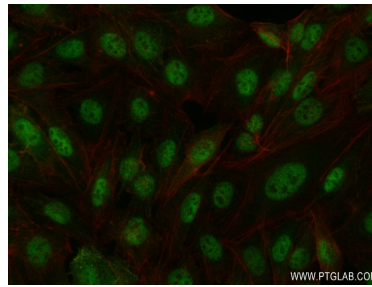
W: ptgcn.com

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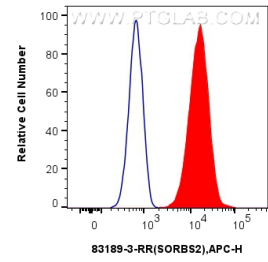
## Selected Validation Data



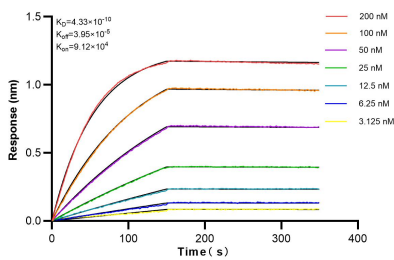
Various lysates were subjected to SDS PAGE followed by western blot with 83189-3-RR (SORBS2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using SORBS2 antibody (83189-3-RR, Clone: 240023A8) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



$1 \times 10^6$  U2OS cells were intracellularly stained with 0.25  $\mu$ g SORBS2 Recombinant antibody (83189-3-RR, Clone:240023A8) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Bi-layer interferometry (BLI) kinetic assays of 83189-3-RR against Human SORBS2 were performed. The affinity constant is 0.433 nM.