

For Research Use Only

SORBS2 Recombinant antibody

Catalog Number: 83189-3-RR



Basic Information

Catalog Number: 83189-3-RR	GenBank Accession Number: BC011883	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 8470	CloneNo.: 240023A8
Source: Rabbit	UNIPROT ID: O94875	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:125-1:500
Isotype: IgG	Full Name: sorbin and SH3 domain containing 2	FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Immunogen Catalog Number: AG20041	Calculated MW: 1100 aa, 124 kDa	
	Observed MW: 70-75 kDa	

Applications

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

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

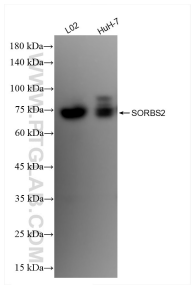
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

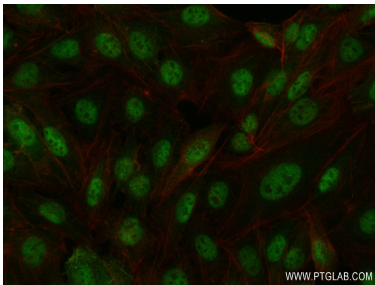
For technical support and original validation data for this product please contact:
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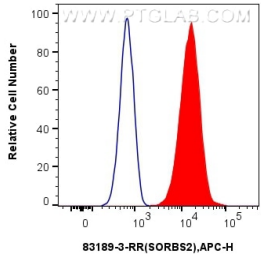
Selected Validation Data



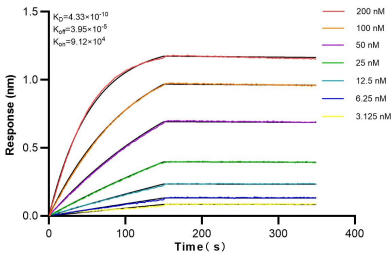
Various lysates were subjected to SDS PAGE followed by western blot with 83189-3-RR (SORBS2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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 Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ U2OS cells were intracellularly stained with 0.25 ug SORBS2 Recombinant antibody (83189-3-RR, Clone:240023A8) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



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