

## SRBS2 rabbit pAb

<b>Catalog No :</b>	YT7434
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	SRBS2
<b>Gene Name :</b>	SORBS2 ARGBP2 KIAA0777
<b>Protein Name :</b>	SRBS2
<b>Human Gene Id :</b>	8470
<b>Human Swiss Prot No :</b>	O94875
<b>Mouse Swiss Prot No :</b>	Q3UTJ2
<b>Rat Gene Id :</b>	114901
<b>Rat Swiss Prot No :</b>	O35413
<b>Immunogen :</b>	Synthesized peptide derived from human SRBS2 AA range: 794-844
<b>Specificity :</b>	This antibody detects endogenous levels of SRBS2 at Human/Mouse/Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

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**Molecularweight :** 121kD

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**Background :** Arg and c-Abl represent the mammalian members of the Abelson family of non-receptor protein-tyrosine kinases. They interact with the Arg/Abl binding proteins via the SH3 domains present in the carboxy end of the latter group of proteins. This gene encodes the sorbin and SH3 domain containing 2 protein. It has three C-terminal SH3 domains and an N-terminal sorbin homology (SoHo) domain that interacts with lipid raft proteins. The subcellular localization of this protein in epithelial and cardiac muscle cells suggests that it functions as an adapter protein to assemble signaling complexes in stress fibers, and that it is a potential link between Abl family kinases and the actin cytoskeleton. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],

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**Function :** function:Adapter protein that plays a role in the assembling of signaling complexes, being a link between ABL kinases and actin cytoskeleton. Can form complex with ABL1 and CBL, thus promoting ubiquitination and degradation of ABL1 or with AKT1 and PAK1, thus mediating AKT1-mediated activation of PAK1. Isoform 6 increases water and sodium absorption in the intestine and gall-bladder.,PTM:Ubiquitinated by CBL.,similarity:Contains 1 SoHo domain.,similarity:Contains 3 SH3 domains.,subcellular location:Found at the Z-disk sarcomeres, stress fibers, dense bodies and focal adhesion.,subunit:Interacts with ABL, CBL, DNM1, DNM2, FLOT1, MLLT4/afadin, PTK2B/PYK2, SAPAP, SPTAN1, SYNJ1, SYNJ2, VCL/vinculin, and WASF (By similarity). Interacts with ABL1/c-Abl, ABL2/v-Abl/Arg, ACTN, AKT1, CBL, PALLD and PAK1.,tissue specificity:Abundantly expressed in heart. In cardiac muscle cells, located in the Z-d

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**Subcellular Location :** Cytoplasm, perinuclear region . Apical cell membrane . Cell junction, focal adhesion . Cell projection, lamellipodium . Found at the Z-disk sarcomeres, stress fibers, dense bodies and focal adhesion. In pancreatic acinar cells, localized preferentially to the apical membrane. Colocalized with vinculin and filamentous actin at focal adhesions and lamellipodia of pancreatic cells. .

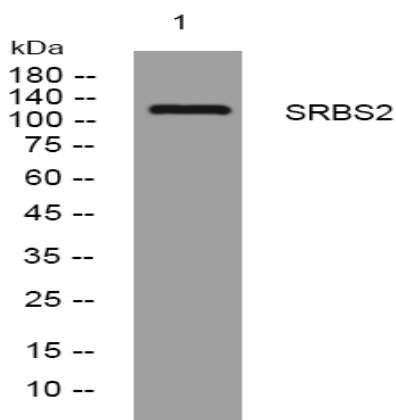
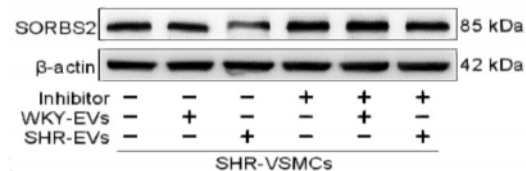
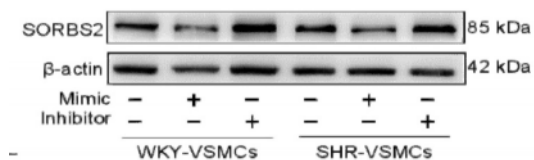
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**Expression :** Abundantly expressed in heart. In cardiac muscle cells, located in the Z-disks of sarcomere. Also found, but to a lower extent, in small and large intestine, pancreas, thymus, colon, spleen, prostate, testis, brain, ovary and epithelial cells. In the pancreas, mainly expressed in acinar cells, duct cells and all cell types in islets (at protein level). Tends to be down-regulated in pancreatic adenocarcinomas and metastases.

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## Products Images

MiR-21-3p in extracellular vesicles from vascular fibroblasts of spontaneously hypertensive rat promotes proliferation and migration of vascular smooth muscle cells. LIFE SCIENCES Bing Zhou WB Rat vascular smooth muscle cells (VSMCs)



Western blot analysis of lysates from HuvEc cells, primary antibody was diluted at 1:1000, 4° over night