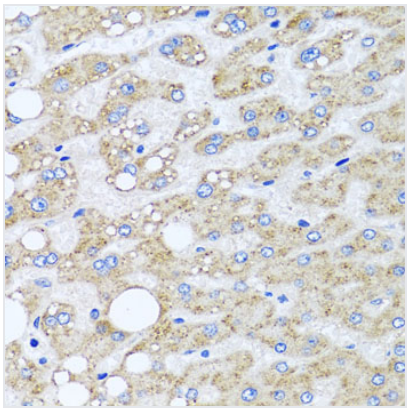
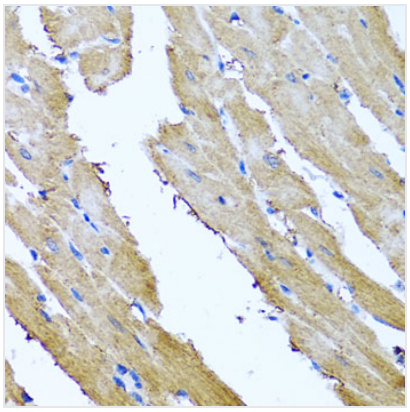
SRI Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

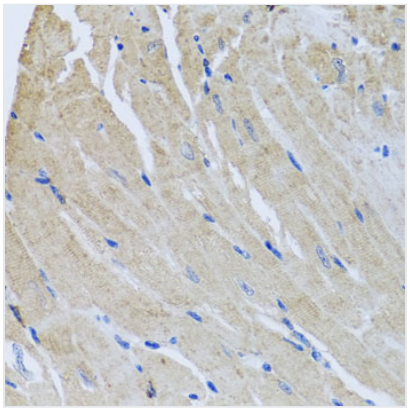
Product Name	SRI, Polyclonal Antibody
Full Product Name	SRI Rabbit Polyclonal Antibody
Product Gene Name	anti-SRI antibody
Product Synonym Names	SRI; CP-22; CP22; SCN; V19; sorcin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	20,006 Da
OMIM	182520
3D Structure	ModBase 3D Structure for P30626
Immunogen	Recombinant fusion protein of human SRI (NP_003121.1).
Product Categories/Family for anti-SRI antibody	Primary Antibody
Applications Tested/Suitable for anti-SRI antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-SRI antibody	WB: 1:500-1:2000 IHC: 1:50-1:100 IF: 1:50-1:100
Related Product Information for anti-SRI antibody	This gene encodes a calcium-binding protein with multiple E-F hand domains that relocates from the cytoplasm to the sarcoplasmic reticulum in response to elevated calcium levels. In addition to regulating intracellular calcium homeostasis it also modulates excitation-contraction coupling in the heart. Alternative splicing results in multiple transcript variants encoding distinct proteins. Multiple pseudogenes exist for this gene.
Other Notes	Small volumes of anti-SRI antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SRI purchase	MBS9466064 is an antibody targeting SRI. Also known as SRI Rabbit Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



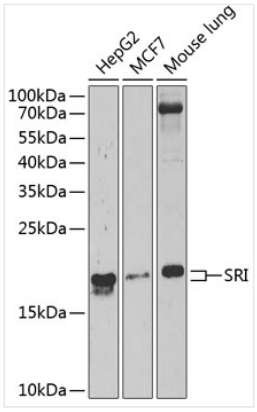
Immunohistochemistry (IHC) of anti-SRI antibody
Immunohistochemistry of paraffin-embedded human liver damage using SRI at dilution of 1:100 (40x lens).



Immunohistochemistry (IHC) of anti-SRI antibody
Immunohistochemistry of paraffin-embedded rat heart using SRI at dilution of 1:100 (40x lens).



Immunohistochemistry (IHC) of anti-SRI antibody
Immunohistochemistry of paraffin-embedded mouse heart using SRI at dilution of 1:100 (40x lens).



Western Blot (WB) of anti-SRI antibody
Western blot analysis of extracts of various cell lines, using SRI at 1:1000 dilution.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SRI. It may not necessarily be applicable to this product.

NCBI GI #	379317145
NCBI GeneID	6717
NCBI Accession #	NP_001243820.1
UniProt Primary Accession #	P30626
UniProt Secondary Accession #	A8MTH6; B4DKK2; D6W5Q0
UniProt Related Accession #	P30626
GenBank Nucleotide #	NM_001256891.1
NCBI Official Full Name	sorcin isoform C
NCBI Official Synonym Full Names	sorcin
NCBI Official Symbol	SRI
NCBI Official Synonym Symbols	SCN; V19; CP22; CP-22
UniProt Protein Name	Sorcin
UniProt Synonym Protein Names	22 kDa protein; CP-22; CP22; V19
UniProt Gene Name	SRI

UniProt Synonym Gene Names	CP22
UniProt Entry Name	SORCN_HUMAN
NCBI Protein Information	sorcin; 22 kDa protein; H_RG167B05.1; calcium binding protein amplified in mutlidrug-resistant cells
UniProt Comments for SRI	SRI: Calcium-binding protein that modulates excitation- contraction coupling in the heart. Contributes to calcium homeostasis in the heart sarcoplasmic reticulum. Modulates the activity of RYR2 calcium channels. Protein type: Calcium-binding Chromosomal Location of Human Ortholog: 7q21.1 Cellular Component: nucleoplasm; endoplasmic reticulum membrane; sarcoplasmic reticulum membrane; smooth endoplasmic reticulum; sarcoplasmic reticulum; mitochondrion; membrane; cytoplasm; T-tubule; nerve terminal; cytosol; Z disc Molecular Function: protein binding; protease binding; protein heterodimerization activity; calcium channel regulator activity; calcium-dependent cysteine-type endopeptidase activity; calcium ion binding; receptor binding Biological Process: regulation of action potential; cytoplasmic sequestering of transcription factor; muscle development; negative regulation of heart rate; heart development; regulation of striated muscle contraction; regulation of calcium ion transport; signal transduction; proteolysis; regulation of heart contraction; transport; calcium ion transport; positive regulation of release of sequestered calcium ion into cytosol; intracellular sequestering of iron ion
Research Articles on SRI	**1.** Sorcin links calcium signaling to vesicle trafficking, regulates Polo-like kinase 1 and is necessary for mitosis.
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