

## ARG42959 anti-SRI / Sorcin antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SRI / Sorcin
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SRI / Sorcin
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human SRI / Sorcin. (TVDPQELQKALTTMGFRLSPQAVNSIAKRY)
Conjugation	Un-conjugated
Alternate Names	SCN; 22 kDa protein; V19; CP-22; Sorcin; CP22

### Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 22 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

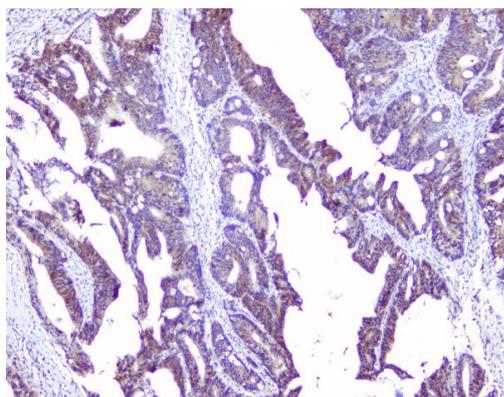
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

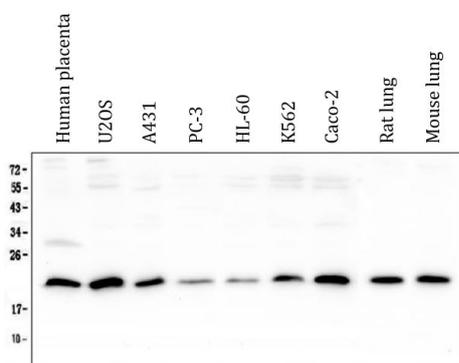
Gene Symbol	SRI
Gene Full Name	sorcিন
Background	This gene encodes a calcium-binding protein with multiple E-F hand domains that relocates from the cytoplasm to the sarcoplasmic reticulum in response to elevated calcium levels. In addition to regulating intracellular calcium homeostasis it also modulates excitation-contraction coupling in the heart. Alternative splicing results in multiple transcript variants encoding distinct proteins. Multiple pseudogenes exist for this gene. [provided by RefSeq, Mar 2012]
Function	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. [UniProt]
Calculated Mw	22 kDa
Cellular Localization	Cytoplasm. Sarcoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Note=Relocates to the sarcoplasmic reticulum membrane in response to elevated calcium levels. [UniProt]

## Images



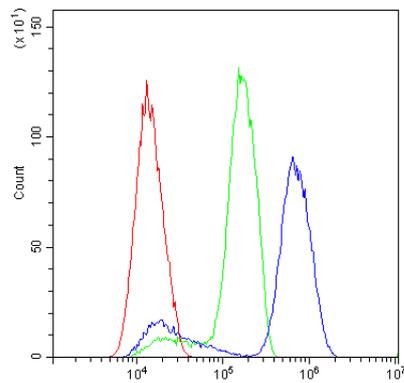
ARG42959 anti-SRI / Sorcin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42959 anti-SRI / Sorcin antibody at 1 µg/ml dilution, overnight at 4°C.



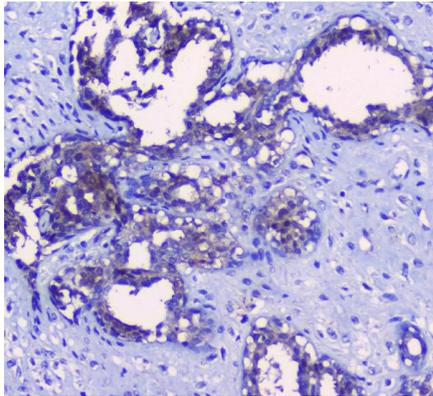
ARG42959 anti-SRI / Sorcin antibody WB image

Western blot: 50 µg of sample under reducing conditions. Human placenta, U2OS, A431, PC-3, HL-60, K562, Caco-2, Rat lung and Mouse lung lysates stained with ARG42959 anti-SRI / Sorcin antibody at 0.5 µg/ml dilution, overnight at 4°C.



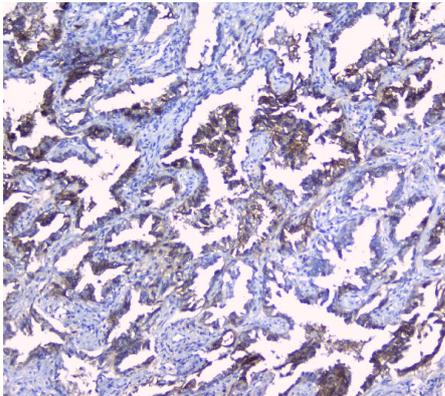
#### ARG42959 anti-SRI / Sorcin antibody FACS image

Flow Cytometry: SiHa cells were blocked with 10% normal goat serum and then stained with ARG42959 anti-SRI / Sorcin antibody (blue) at  $1 \mu\text{g}/10^6$  cells for 30 min at  $20^\circ\text{C}$ , followed by incubation with DyLight<sup>®</sup>488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG ( $1 \mu\text{g}/10^6$  cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



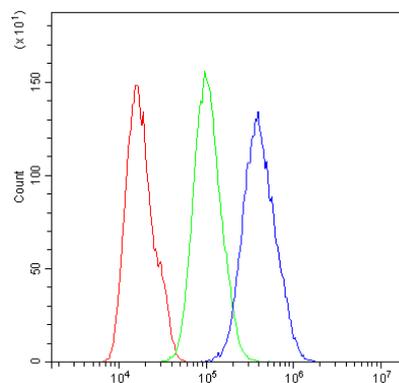
#### ARG42959 anti-SRI / Sorcin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42959 anti-SRI / Sorcin antibody at  $1 \mu\text{g}/\text{ml}$  dilution, overnight at  $4^\circ\text{C}$ .



#### ARG42959 anti-SRI / Sorcin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42959 anti-SRI / Sorcin antibody at  $1 \mu\text{g}/\text{ml}$  dilution, overnight at  $4^\circ\text{C}$ .



#### ARG42959 anti-SRI / Sorcin antibody FACS image

Flow Cytometry: U2OS cells were blocked with 10% normal goat serum and then stained with ARG42959 anti-SRI / Sorcin antibody (blue) at  $1 \mu\text{g}/10^6$  cells for 30 min at  $20^\circ\text{C}$ , followed by incubation with DyLight<sup>®</sup>488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG ( $1 \mu\text{g}/10^6$  cells) used under the same conditions. Unlabelled sample (red) was also used as a control.