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Datasheet for ABIN1405150 **anti-SRI antibody (Alexa Fluor 488)**

Overview

Quantity:	100 µL
Target:	SRI
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SRI antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SR1/Sorcin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	SRI
Alternative Name:	Sorcin (SRI Products)
Background:	<p>Synonyms: 22 kDa protein, Calcium binding protein amplified in mutlidrug resistant cells, CP 22, CP-22, CP22, SCN, Sorcin class 4 gene, Sorcin, SORCN_HUMAN, SRI, V19.</p> <p>Background: Sorcin is a highly conserved protein, with 95 % homology between hamster and human sorcin sequences. Sorcin has four putative Ca-binding domains, two of which exhibit</p>

Target Details

strong homology to calmodulin EF hand? motifs. Calcium binding directly to sorcin has been demonstrated by in vitro assays. Sorcin is closely related to members of calpain and sarcoplasmic Ca²⁺-binding protein subfamilies. Sorcin undergoes calcium-dependent translocation from the cytosol to cellular membranes. Sorcin binds to and modulates ryanodine receptors and is widely distributed including heart and brain tissues. At the subcellular level, sorcin localizes to T-tubule junctions of cardiac sarcoplasmic reticulum.

Gene ID:	6717
Pathways:	Transition Metal Ion Homeostasis , Maintenance of Protein Location , Negative Regulation of Transporter Activity

Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months