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Datasheet for ABIN2806567 **anti-SRI antibody (Alexa Fluor 594)**

Overview

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|--------------|---|
| Quantity: | 100 µL |
| Target: | SRI |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SRI antibody is conjugated to Alexa Fluor 594 |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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

Target Details

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|-------------------|---|
| 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.

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

Application Details

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

Handling

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|--------------------|--|
| 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 |