

## Anti-SR1/SRI Antibody Picoband®

Catalog Number: RP1110

### About SRI

Sorcin is a protein that in humans is encoded by the SRI gene. It is mapped to 7q21.1. 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.

### Overview

Product Name	Anti-SR1/SRI Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-SR1/SRI Antibody catalog # RP1110. Tested in WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , and 0.05 mg NaN <sub>3</sub> . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P30626

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human SR1, different from the related mouse sequence by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins

Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Rat

## Anti-SR1/SRI Antibody Picoband® (RP1110) Images



Western blot analysis of SRI expression in rat liver extract (lane 1), rat brain extract (lane 2) and SMMC7721 whole cell lysates (lane 3). SRI at 26KD was detected using rabbit anti-SRI Antigen Affinity purified polyclonal antibody (Catalog # RP1110) at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).

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