

## Anti-SRP1/KPNA1 Antibody Picoband® APC Conjugated

Catalog Number: A04024-1-APC

### About KPNA1

Importin subunit alpha-1 is a protein that in humans is encoded by the KPNA1 gene. The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC), which consists of 60-100 proteins. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion while larger molecules are transported by an active process. The protein encoded by this gene belongs to the importin alpha family, and is involved in nuclear protein import. This protein interacts with the recombination activating gene 1 (RAG1) protein and is a putative substrate of the RAG1 ubiquitin ligase. Alternative splicing results in multiple transcript variants.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-SRP1/KPNA1 Antibody Picoband® APC Conjugated   |
| Reactive Species     | Human, Mouse, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> .   |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | P52294  |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | A synthetic peptide corresponding to a sequence at the N-terminus of human SRP1/KPNA1, which shares 89.3% and 92.9% amino acid (aa) sequence identity with mouse and rat SRP1/KPNA1, respectively. |
| Cross Reactivity | No cross-reactivity with other proteins.   |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |
| Purification     | Immunogen affinity purified.   |
| Conjugate        | APC<br>Excitation Wavelength: 633-647 nm<br>Emission Wavelength: 660 nm  |

Suggested Dilutions

Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

1. PubMed ID: 10.1016/j.bbamcr.2007.03.006, Nuclear import of human sexual regulator DMRT1 is mediated by importin-beta

Visit [bosterbio.com/anti-srp1-kpna1-picoband-trade-antibody-a04024-1-boster.html](https://bosterbio.com/anti-srp1-kpna1-picoband-trade-antibody-a04024-1-boster.html) to see all 1 publications.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-SRP1/KPNA1 Antibody - APC

For Research Use Only. Not for use in diagnostic procedures.