

Datasheet for ABIN7156119  
**anti-KPNA2 antibody (AA 2-285) (Biotin)**



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## Overview

|                      |                                             |
|----------------------|---------------------------------------------|
| Quantity:            | 100 µg                                      |
| Target:              | KPNA2                                       |
| Binding Specificity: | AA 2-285                                    |
| Reactivity:          | Human                                       |
| Host:                | Rabbit                                      |
| Clonality:           | Polyclonal                                  |
| Conjugate:           | This KPNA2 antibody is conjugated to Biotin |
| Application:         | ELISA                                       |

## Product Details

|                   |                                                              |
|-------------------|--------------------------------------------------------------|
| Immunogen:        | Recombinant Human Importin subunit alpha-1 protein (2-285AA) |
| Isotype:          | IgG                                                          |
| Cross-Reactivity: | Human                                                        |
| Purification:     | >95%, Protein G purified                                     |

## Target Details

|                   |                                                                                                                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | KPNA2                                                                                                                                                                                       |
| Alternative Name: | KPNA2 ( <a href="#">KPNA2 Products</a> )                                                                                                                                                    |
| Background:       | Background: Functions in nuclear protein import as an adapter protein for nuclear receptor KPNB1. Binds specifically and directly to substrates containing either a simple or bipartite NLS |

## Target Details

motif. Docking of the importin/substrate complex to the nuclear pore complex (NPC) is mediated by KPNB1 through binding to nucleoporin FxFG repeats and the complex is subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to importin-beta and the three components separate and importin-alpha and -beta are re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran from importin. The directionality of nuclear import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus.

Aliases: IMA1\_HUMAN antibody, Importin alpha 1 antibody, Importin alpha 2 antibody, Importin alpha 2 subunit antibody, Importin alpha P1 antibody, Importin subunit alpha-1 antibody, IPO A1 antibody, IPOA 1 antibody, IPOA1 antibody, Karyopherin alpha 2 antibody, Karyopherin alpha 2 RAG cohort 1 antibody, Karyopherin alpha 2 subunit antibody, Karyopherin subunit alpha-2 antibody, KPNA2 antibody, KPNA2 protein antibody, Pendulin antibody, QIP 2 antibody, QIP2 antibody, RAG cohort 1 antibody, RAG cohort protein 1 antibody, RCH 1 antibody, RCH1 antibody, SRP 1 antibody, SRP1 alpha antibody, SRP1 antibody, SRP1-alpha antibody, SRP1alpha antibody

UniProt: [P52292](#)

Pathways: [M Phase](#), [Protein targeting to Nucleus](#)

## Application Details

|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator.                                                |
| Restrictions:      | For Research Use only                                                                                             |
| Handling           |                                                                                                                   |
| Format:            | Liquid                                                                                                            |
| Buffer:            | Preservative: 0.03 % Proclin 300<br>Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4                                |
| 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,-80 °C                                                                                                     |
| Storage Comment:   | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                     |