

## Rabbit KPNA3 Polyclonal Antibody | anti-KPNA3 antibody

KPNA3 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                             |
|-----------|--------|-------------------|------------------------------------------|
| AAA308266 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Western Blot, ELISA |

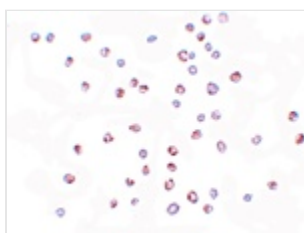
### PRODUCT SYNONYMS

KPNA3; Polyclonal Antibody; KPNA3 Antibody; Karyopherin alpha nucleoprotein interactor 3; importin alpha 4; IPOA4; importin-alpha-Q2; QIP2; SRP4; anti-KPNA3 antibody

### PRODUCT SPECIFICATIONS

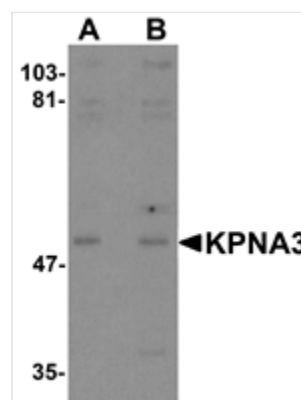
|                                                 |                                                                                                                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                 |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                      |
| Clonality                                       | Polyclonal                                                                                                                                                                                             |
| Purity/Purification                             | Affinity chromatography purified via peptide column                                                                                                                                                    |
| Form/Format                                     | Supplied in PBS containing 0.02% sodium azide.                                                                                                                                                         |
| Sequence Length                                 | 521                                                                                                                                                                                                    |
| Applicable Applications for anti-KPNA3 antibody | ICC (Immunocytochemistry), WB (Western Blot), ELISA                                                                                                                                                    |
| Immunogen Type                                  | Peptide                                                                                                                                                                                                |
| Immunogen Description                           | Raised against a 14 amino acid peptide near the carboxy end of human KPNA3.                                                                                                                            |
| Target Name                                     | KPNA3                                                                                                                                                                                                  |
| Preparation and Storage                         | Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry of KPNA3 in HeLa cells with KPNA3 antibody at 10 ug/mL.



WB (Western Blot)

Western blot analysis of KPNA3 in EL4 cell lysate with KPNA3 antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-KPNA3 antibody | Karyopherin, a cytosolic and heterodimeric protein complex consisting of alpha and beta subunits, is responsible for targeting proteins with nuclear localization signals to the nuclear pore complex by an energy requiring, Ran-dependent mechanism. The alpha subunit and imported substrate enter the nucleus and accumulate in the nucleoplasm, while the beta subunit accumulates at the NPC. KPNA3, the alpha subunit 3 of karyopherin, is silimar to human KPNA2, suggesting that KPNA3 may be involved in the nuclear transport system. It is ubiquitously expressed and recent studies have shown that human KPNA3 may be associated with schizophrenia. |
| Product Categories/Family for anti-KPNA3 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 34485722                               |
| NCBI GeneID                      | 3839                                   |
| NCBI Accession #                 | NP_002258                              |
| NCBI GenBank Nucleotide #        | NM_002267.3                            |
| Molecular Weight                 | 57,811 Da                              |
| NCBI Official Full Name          | importin subunit alpha-4               |
| NCBI Official Synonym Full Names | karyopherin alpha 3 (importin alpha 4) |
| NCBI Official Symbol             | KPNA3                                  |
| NCBI Official Synonym Symbols    | SRP1; SRP4; IPOA4; hSRP1; SRP1gamma    |
| NCBI Protein Information         | importin subunit alpha-4               |
| UniProt Protein Name             | Importin subunit alpha-4               |
| UniProt Gene Name                | KPNA3                                  |
| UniProt Synonym Gene Names       | QIP2; Qip2                             |
| UniProt Entry Name               | IMA4_HUMAN                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kpna3-antibody-immunocytochemistry-western-blot-elisa/308266>