

## Rabbit KPNA4 Polyclonal Antibody | anti-KPNA4 antibody

KPNA4 Antibody

|                               |                       |                                                                                                    |
|-------------------------------|-----------------------|----------------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA225317</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence</b> |
|-------------------------------|-----------------------|----------------------------------------------------------------------------------------------------|

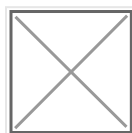
### PRODUCT SYNONYMS

KPNA4; Polyclonal Antibody; KPNA4 Antibody; Affinity Purified Rabbit Polyclonal KPNA4 Antibody; Polyclonal KPNA4 antibody; Anti-KPNA4 antibody; IPOA3 antibody; KPNA 4 antibody; KPNA-4 antibody; KPNA4 antibody; KPNA 4; QIP1 antibody; importin subunit alpha-4 antibody; MGC12217 antibody; MGC26703 antibody; SRP3 antibody; KPNA-4; importin alpha Q1 antibody; anti-KPNA4 antibody

### PRODUCT SPECIFICATIONS

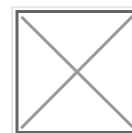
|                                                 |                                                                                                                                         |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                  |
| Clonality                                       | Polyclonal                                                                                                                              |
| Isotype                                         | IgG                                                                                                                                     |
| Purity/Purification                             | Antigen-Affinity Chromatography                                                                                                         |
| Form/Format                                     | Supplied as a concentrated solution containing 1X PBS, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.             |
| Concentration                                   | 0.73 mg/ml (varies by lot)                                                                                                              |
| Sequence Length                                 | 76                                                                                                                                      |
| Applicable Applications for anti-KPNA4 antibody | WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence)                                       |
| Immunogen                                       | KPNA4 antibody was raised in rabbit using a synthetic peptide corresponding to a region within amino acids 459 and 521 of KPNA4         |
| Cross-Reactivity                                | Human                                                                                                                                   |
| Preparation and Storage                         | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles. |

### IMAGES



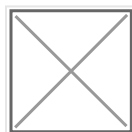
#### WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A: 293T; B: HepG2; C: Molt-4) using a 7.5% SDS PAGE gel and KPNA4 antibody at a dilution of 1:1500



#### IHC (Immunohistochemistry)

Immunohistochemical staining of paraffin-embedded H1299 xenograft using KPNA4 antibody at a dilution of 1:500



#### IF (Immunofluorescence)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using QIP1 antibody at 1:200 dilution.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-KPNA4 antibody | The nuclear import of karyophilic proteins is directed by short amino acid sequences termed nuclear localization signals (NLSs). Karyopherins, or importins, are cytoplasmic proteins that recognize NLSs and dock NLS-containing proteins to the nuclear pore complex. The protein encoded by this gene shares the sequence similarity with Xenopus importin-alpha and Saccharomyces cerevisiae Srp1. This protein is found to interact with the NLSs of DNA helicase Q1 and SV40 T antigen. |
| Product Categories/Family for anti-KPNA4 antibody   | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                             |
|----------------------------------|-----------------------------|
| NCBI GI #                        | 16876958                    |
| NCBI GeneID                      | 3840                        |
| Molecular Weight                 | 58 kDa                      |
| NCBI Official Full Name          | KPNA4 protein               |
| NCBI Official Synonym Full Names | karyopherin subunit alpha 4 |
| NCBI Official Symbol             | KPNA4                       |
| NCBI Official Synonym Symbols    | QIP1; SRP3; IPOA3           |
| NCBI Protein Information         | importin subunit alpha-3    |

**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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