

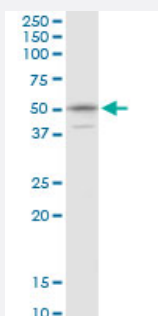
MaxPab®

## KPNA1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003836-B01P

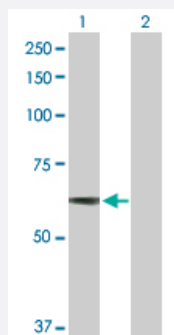
Size 50 ug

### Applications



#### Western Blot (Cell lysate)

KPNA1 MaxPab polyclonal antibody. Western Blot analysis of KPNA1 expression in HeLa.

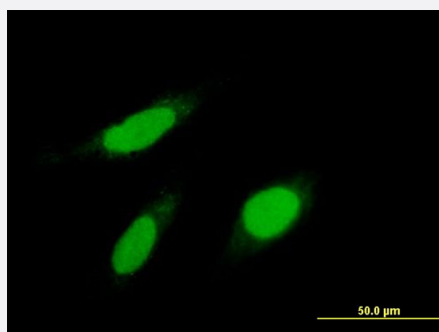


#### Western Blot (Transfected lysate)

Western Blot analysis of KPNA1 expression in transfected 293T cell line ([H00003836-T02](#)) by KPNA1 MaxPab polyclonal antibody.

Lane 1: KPNA1 transfected lysate(59.18 KDa).

Lane 2: Non-transfected lysate.



#### Immunofluorescence

Immunofluorescence of purified MaxPab antibody to KPNA1 on HeLa cell. [antibody concentration 10 ug/ml]

### Specification

#### Product Description

Mouse polyclonal antibody raised against a full-length human KPNA1 protein.

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                     | KPNA1 (NP_002255.2, 1 a.a. ~ 538 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence                      | MTTPGKENFRLKSYKNKSLNPDEMRRRREEEGLQLRKQKREEQLFKRRNVATAEEEEEEEEVMS<br>DGGFHEAQINMEMAPGGVITSDMIEMIFSKSPEQQLSATQKFRKLLSKEPNPPIDEVISTPGVVA<br>RFVEFLKRKENCTLQFESAWVLTNASGNSLQTRVIQAGAVPIFIELLSSEFEDVQEQAVWALGNI<br>AGDSTMCRDYLDCNLPPLLQLFSKQNRLLTMTRNAVWALSNLCRGKSPPPEFAKVSPCLNVLS<br>WLLFVSDTDVLADACWALSYSLSDGPNDKIQAVIDAGVCRRLLVELLMHNDYKVVSPALRAVGNIVT<br>GDDIQTQVILNCSALQSLLHLLSSPKESIKKEACWTISNITAGNRAQIQTVIDANIFPALISILQTAEFRT<br>RKEAAWAITNATSGGSAEQIKYLVELGCIKPLCDLLTVMDSKIVQVALNGLENILRLGEQEAKRNGT<br>GINPYCALIEEAYGLDKIEFLQSHENQEIQKAFDLIEHYFGTEDEDSSIAPQVDLNQQQYIFQQCEA<br>PMEGFQL |
| Host                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reactivity                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Interspecies Antigen Sequence | Mouse (98); Rat (99)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Storage Buffer                | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Applications

- Western Blot (Cell lysate)

KPNA1 MaxPab polyclonal antibody. Western Blot analysis of KPNA1 expression in HeLa.

[Protocol Download](#)

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Western Blot analysis of KPNA1 expression in transfected 293T cell line ([H00003836-T02](#)) by KPNA1 MaxPab polyclonal antibody.

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- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to KPNA1 on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — KPNA1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">3836</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GeneBank Accession# | <a href="#">NM_002264</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Protein Accession#  | <a href="#">NP_002255.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Name           | KPNA1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Alias          | IPOA5, NPI-1, RCH2, SRP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Description    | karyopherin alpha 1 (importin alpha 5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Omim ID             | <a href="#">600686</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Summary        | <p>Recombination activating proteins RAG1 and RAG2 regulate and mediate V(D)J recombination, the process by which genes for immunoglobulins and T-cell receptors are generated. Several other ubiquitously expressed proteins are thought to be recruited in the recombination process. Among these are the genes affected in severe combined immune deficiency and genes involved in ds-DNA break repair. The protein encoded by this gene interacts with RAG1 and may play a role in V(D)J recombination. Two transcript variants, one protein-coding and the other not, have been found for this gene. [provided by RefSeq]</p> |
| Other Designations  | importin alpha 5 importin-alpha-S1 karyopherin alpha 1 nucleoprotein interactor 1 recombination activating gene cohort 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |