

DNAPab

Hard-to-Find
Antibody

KPNA2 DNAPab

Catalog # H00003838-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human KPNA2 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MSTNENANTPAARLHRFKNKGKDSTEMRRRRRIEVNVELRKAKKDDQMLKRRNVSSFPDDATSPLQENRNNQGTVNWSVDDIVKGINSSNVENQLQATQAARKLLSREKQPPIDNIIRAGLIPKFVSFLGRTDCSPIQFESAWALTNIASGTSEQTKAVVDGGAIPAFISLLASPHAHISEQAVWALGNIAGDGSVFRDLVIKYGAVDPLLALLAVPDMSSLACGYLRNLTWLSNLCRNKNPAPPIDAVEQILPTLVRLHHDDPEVLADTCWAISYLTGPNRIGMVVKTGVVPQLVKLLGASELPVTPALRAIGNIVTGTDEQTQVVIDAGALAVFPSLLTNPKTNIQKEATWTMSNITAGRQDQIQQVVNHGLVPFLVSVLSKADFKTQKEAVWAVTNYTSGGTVEQIVLVHCGIIEPLMNLITAKDTKIILVILDAISNIFQAAEKLGETEKLSIMIEECGLDKIEALQNHENESVYKASLSLIEKYFSVEEEDQNVVPETTSEGYTFQVQDGAPGTFNF
Host	Rabbit
Reactivity	Human
Purification	Protein A
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — KPNA2

Entrez GeneID [3838](#)

GeneBank Accession# [NM_002266.2](#)

Protein Accession# [NP_002257.1](#)

Gene Name KPNA2

Gene Alias IPOA1, QIP2, RCH1, SRP1alpha

Gene Description karyopherin alpha 2 (RAG cohort 1, importin alpha 1)

Omim ID [600685](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The import of proteins into the nucleus is a process that involves at least 2 steps. The first is an energy-independent docking of the protein to the nuclear envelope and the second is an energy-dependent translocation through the nuclear pore complex. Imported proteins require a nuclear localization sequence (NLS) which generally consists of a short region of basic amino acids or 2 such regions spaced about 10 amino acids apart. Proteins involved in the first step of nuclear import have been identified in different systems. These include the Xenopus protein importin and its yeast homolog, SRP1 (a suppressor of certain temperature-sensitive mutations of RNA polymerase I in *Saccharomyces cerevisiae*), which bind to the NLS. KPNA2 protein interacts with the NLSs of DNA helicase Q1 and SV40 T antigen and may be involved in the nuclear transport of proteins. KPNA2 also may play a role in V(D)J recombination [provided by RefSeq]

Other Designations RAG cohort 1|importin alpha 1|importin alpha 2|importin-alpha-P1|karyopherin alpha 2|pendulin

Disease

- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)