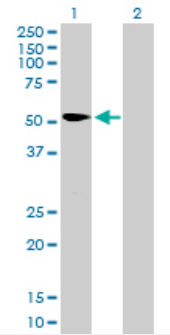
MaxPab®

KPNA2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003838-B01P Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of KPNA2 expression in transfected 293T cell line (H00003838-T01) by KPNA2 MaxPab polyclonal antibody.

Lane 1: KPNA2 transfected lysate(58.19 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human KPNA2 protein.
Immunogen	KPNA2 (NP_002257.1, 1 a.a. ~ 529 a.a) full-length human protein.
Sequence	MSTNENANTPAARLHRFKNKGKDSTEMRRRRIEVNVELRKAKKDDQMLKRRNVSSFPDDATSPL QENRNNQGTVNWSVDDIVKGINSSNVENQLQATQAARKLLSREKQPPIDNIIRAGLIPKFVSFLGRT DCSPIQFESAWALTNIASGTSEQTKAVVDGGAIPAFISLLASPHAHISEQAVWALGNIAGDGSVFR DLVIKYGAVDPLLALLAVPDMSSLACGYLRNLTWTLSNLCRNKNPAPPIDAVEQILPTLVRLLHHDD PEVLADTCWAISYLTDGPNERIGMVVKTGVVPQLVKLLGASELPIVTPALRAIGNIVTGTDEQTQVVI DAGALAVFPSLLTNPKTNIQKEATWTMSNITAGRQDQIQQVVNHGLVPFLVSVLSKADFKTQKEA VWAVTNYTSGGTVEQIVYLVHCGIIEPLMNLLTAKDTKIILVILDAISNIFQAAEKLGETEKLSIMIEECG GLDKIEALQNHENESVYKASLSLIEKYFSVEEEEDQNVVPETTSEGYTFQVQDGAPGTFNF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)
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.

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  Protocol Download

Gene Info — KPNA2

Entrez GeneID	3838
GeneBank Accession#	NM_002266
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