

DNAxPAb

Hard-to-Find
Antibody

KPNB1 DNAxPab

Catalog # H00003837-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human KPNB1 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MELITILEKTVSPDRLELEAAQKFLERA AVENLPTFLVELSRVLANPGNSQVARVAAGLQIKNSLTS
KDPDIKAQYQQRWLAI DANARREVKNYVLQTLGTET YRPSSASQCVAGIACAEIPVNQWPELIPQL
VANVTNPNSTE HMKESTLEAIGYICQDIDPEQLQDKSNEILTAIQGMRKEEPSNNVKLAATNALLNS
LEFTKANFDKESERHFIMQVVCEATQCPDTRVRVAALQNLVKIMSLYYQYMETYMGPALFAITIEAM
KSDIDEVALQGIEFWSNVCDEEMDLAIEASEAAEQGRPPEHTSKFYAKGALQYLPILTQTLTKQD
ENDDDDDWNPCKAAGVCLMLLATCCEDDIVPHVLPFIKEHIKNPDWRYRDAAVMAFGCILEGPE
PSQLKPLVIQAMPTLIELMKDPSVVVRDTAAWTVGRICELLPEAAINDVYLAPLLQCLIEGLSAEPR
VASNVCWAFSSLAEEAA YEADVADDQEEPATYCLSSSFELVQKLETTDRPDGHQNNLRSSAY
ESLMEIVKNSAKDCYPAVQKTTLVIMERLQQVLQMESHQSTSDRIQFNDLQSLLCATLQNVLRKV
QHQDALQISDVVMASLLRMFQSTAGSGGVQEDALMAVSTLVEVLGGEFLKYMEAFKPFLGIGLK
NYAEYQVCLAAVGLVGDLCRALQSNII PFCDEVMQLLLENLGNENVHRSVKPQILSVFGDIALAIGG
EFKKYLEVVLNTLQQASQAQVDKSDYDMVDYLNELRESCLEAYTGIVQGLKGDQENVHPDVMLV
QPRVEFILSFIDHIAGDEDHTDGVVACAAGLIGDLCTAFGKDV LKLVEARPMIHELLTEGRRSKTNK
AKTLATWATKELRKLKNQA

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 — KPNB1

Entrez GeneID [3837](#)

GeneBank Accession# [NM_002265.4](#)

Protein Accession# [NP_002256.2](#)

Gene Name KPNB1

Gene Alias IMB1, IPO1, IPOB, Impnb, MGC2155, MGC2156, MGC2157, NTF97

Gene Description karyopherin (importin) beta 1

Omim ID [602738](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Nucleocytoplasmic transport, a signal- and energy-dependent process, takes place through nuclear pore complexes embedded in the nuclear envelope. The import of proteins containing a nuclear localization signal (NLS) requires the NLS import receptor, a heterodimer of importin alpha and beta subunits also known as karyopherins. Importin alpha binds the NLS-containing cargo in the cytoplasm and importin beta docks the complex at the cytoplasmic side of the nuclear pore complex. In the presence of nucleoside triphosphates and the small GTP binding protein Ran, the complex moves into the nuclear pore complex and the importin subunits dissociate. Importin alpha enters the nucleoplasm with its passenger protein and importin beta remains at the pore. Interactions between importin beta and the FG repeats of nucleoporins are essential in translocation through the pore complex. The protein encoded by this gene is a member of the importin beta family. [provided by RefSeq]

Other Designations importin 1|importin 90|importin beta-1 subunit|karyopherin beta 1|nuclear factor p97

Disease

- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Chromosome Deletion](#)