

DNAxPAb

Hard-to-Find
Antibody

IPO5 DNAxPab

Catalog # H00003843-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human IPO5 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MPEDQVGKLEATENTISAMAAAAAEQQQFYLLGNLLSPDNVVRKQAEETYENIPGQSKITFLLQAI
 RNTTAAEEARQMAAVLLRRLSSAFDEVYPALPSDVQTAIKSELLMIQMETQSSMRKKVCDIAAE
 LARNLIDEDGNNQWPEGLKFLFDSVSSQNVGLREAALHIFWNFPGIFGNQQQHYLDVIKRLMVQC
 MQDQEHPSIRTLSARATAAFILANEHNVALFKHFADLLPGFLQAVNDSCYQNDSDVLKSLVEIADT
 VPKYLRPHLEATLQLSLKLCGDTSLNNMQRQLALEVIVTLSETAAAMLKHTNVAQTIPQMLAMM
 VDLEEDWDANADELEDDDFDSNAVAGESALDRMACGLGGKLVLPMIKEHIMQMLQNPDWKY
 RHAGLMALSAIGEGCHQQMEGILNEVNFVLLFLQDPHPRVRYAACNAVGMATDFAPGFQKKFH
 EKVIAALLQTMEDQGNQVRVQAHAAAAALINFTEDCPKSLLIPYLDNLVKHLHSIMVLKLQELIQKGTKL
 VLEQVVTIASVADTAEEKFVPYYDLFMPSRKHVENAVQKELRLLRGKTIECISLIGLAVGKEKFM
 QDASDVMQLLLKTQTDNFNDMEDDDPQISYMSAWARMCKILGKEFQQYLPVVMGPLMKTASIKPE
 VALLDTQDMENMSDDDGWEFVNLGDQQSFGIKTAGLEEKSTACQMLVCYAKELKEGFVEYTEQ
 VVKLMVPLLKFYFHDGVRVAAAESMPLLECARVRGPEYLTQMWHFMCDALIKAIGTEPDSDVLS
 EIMHSFAKCIEMGDGCLNNEHFEELGGILKAKLEEHFKNQELRQVKRQDEDDYDEQVEESLQDE
 DDNDVYILTKVSDILHSIFSSYKEKVLPWFEQLPLVNLICPHRPWPDRQWGLCIFDDVIEHCSPAS
 FKYAEYFLRPLMLQYVCDNSPEVRQAAAYGLGVMAQYGGDNYPFCTEALPLLVRVIQSADSKTK
 ENVNATENCISAVGKIMKFKPDCVNVEEVLPHWLSWLPLHEDKEEAVQTFNYLCDLIESNHPIVLG
 PNNTNLPKIFSIAEGEMHEAIKHEDPCAKRLANVVRQVQTSGGLWTECIAQLSPEQQAIIQELLNS
 A

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 — IPO5

Entrez GeneID [3843](#)

GeneBank Accession# [BC045640.1](#)

Protein Accession# [AAH45640.1](#)

Gene Name IPO5

Gene Alias DKFZp686O1576, FLJ43041, IMB3, KPNB3, MGC2068, RANBP5

Gene Description importin 5

Omim ID [602008](#)

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 OTTHUMP00000040733|RAN binding protein 5|Ran_GTP binding protein 5|importin beta-3 subunit|karyopherin (importin) beta 3

Disease

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)