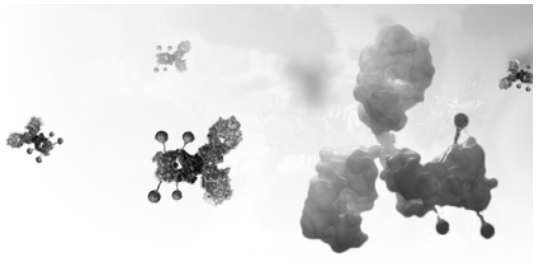

# KPNA6 blocking peptide (CDBP5655)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

| | |
|---|---|
| **Antigen Description** | 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. The protein encoded by this gene is a member of the importin alpha family. [provided by RefSeq, Jul 2008] |
| **Conjugate** | Unconjugated |
| **Applications** | Used as a blocking peptide in immunoblotting applications. |
| **Format** | Liquid |
| **Concentration** | 200 µg/mL |
| **Size** | 0.05 mg |
| **Preservative** | None |
| **Storage** | -20°C |

## GENE INFORMATION

| | |
|---|---|
| **Gene Name** | KPNA6 karyopherin alpha 6 (importin alpha 7) [ Homo sapiens (human) ] |
| **Official Symbol** | KPNA6 |

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|---|---|
| **Synonyms** | KPNA6; karyopherin alpha 6 (importin alpha 7); IPOA7; KPNA7; importin subunit alpha-7; importin-alpha-S2; importin alpha 7 subunit; karyopherin subunit alpha-6 |
| **Entrez Gene ID** | 23633 |
| **mRNA Refseq** | NM_012316 |
| **Protein Refseq** | NP_036448 |
| **UniProt ID** | O60684 |
| **Pathway** | TNF-alpha/NF-kB Signaling Pathway |
| **Function** | protein transporter activity |

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