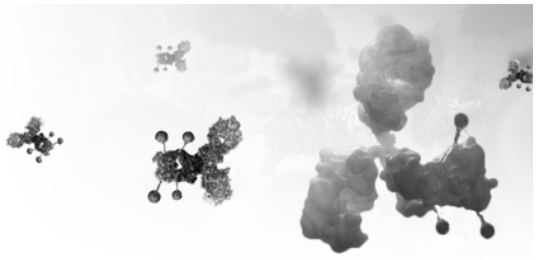

Human IPO5 blocking peptide (CDBP1712)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-KPNB3/RANBP5 antibody
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. 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, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	IPO5 importin 5 [Homo sapiens (human)]

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Official Symbol	IPO5
Synonyms	IPO5; importin 5; IMB3; Pse1; imp5; KPNB3; RANBP5; importin-5; karyopherin beta-3; RAN binding protein 5; ran-binding protein 5; importin beta-3 subunit; importin subunit beta-3; Ran_GTP binding protein 5; karyopherin (importin) beta 3;
Entrez Gene ID	3843
mRNA Refseq	NM_002271.4
Protein Refseq	NP_002262.3
UniProt ID	B3KWG6
Chromosome Location	13q32.2
Pathway	Disease, organism-specific biosystem; Influenza Infection, organism-specific biosystem; Influenza Life Cycle, organism-specific biosystem; Influenza Viral RNA Transcription and Replication, organism-specific biosystem; vRNP Assembly, organism-specific biosystem;
Function	GTPase inhibitor activity; Ran GTPase binding; poly(A) RNA binding; protein binding; protein transporter activity;

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