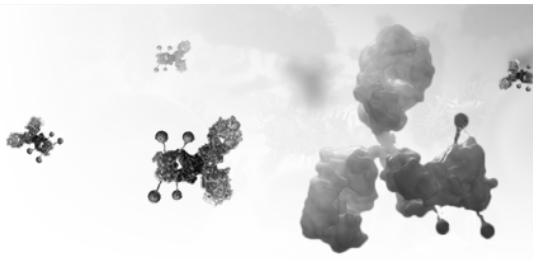

Human KPNA1 blocking peptide (CDBP1707)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-KPNA1/Importin alpha 5 antibody
Antigen Description	The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC), which consists of 60-100 proteins. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion while larger molecules are transported by an active process. The protein encoded by this gene belongs to the importin alpha family, and is involved in nuclear protein import. This protein interacts with the recombination activating gene 1 (RAG1) protein and is a putative substrate of the RAG1 ubiquitin ligase. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]
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	KPNA1 karyopherin alpha 1 (importin alpha 5) [Homo sapiens (human)]
Official Symbol	KPNA1

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Synonyms	KPNA1; karyopherin alpha 1 (importin alpha 5); RCH2; SRP1; IPOA5; NPI-1; importin subunit alpha-5; SRP1-beta; importin alpha 5; importin-alpha-S1; RAG cohort protein 2; importin subunit alpha-1; nucleoprotein interactor 1; karyopherin subunit alpha-1; recombination activating gene cohort 2;
Entrez Gene ID	3836
mRNA Refseq	NM_002264.3
Protein Refseq	NP_002255.3
UniProt ID	P52294
Chromosome Location	3q21
Pathway	Activation of DNA fragmentation factor, organism-specific biosystem; Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis induced DNA fragmentation, organism-specific biosystem; Apoptotic execution phase, organism-specific biosystem; Class I PI3K signaling events mediated by Akt, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Disease, organism-specific biosystem; HIV Infection,
Function	nuclear localization sequence binding; protein binding; protein transporter activity;

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