



Human IPO7 blocking peptide (CDBP2471)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-RANBP7/Importin 7 antibody
Antigen Description	The importin-alpha/beta complex and the GTPase Ran mediate nuclear import of proteins with a classical nuclear localization signal. The protein encoded by this gene is a member of a class of approximately 20 potential Ran targets that share a sequence motif related to the Ran-binding site of importin-beta. Similar to importin-beta, this protein prevents the activation of Ran's GTPase by RanGAP1 and inhibits nucleotide exchange on RanGTP, and also binds directly to nuclear pore complexes where it competes for binding sites with importin-beta and transportin. This protein has a Ran-dependent transport cycle and it can cross the nuclear envelope rapidly and in both directions. At least four importin beta-like transport receptors, namely importin beta itself, transportin, RanBP5 and RanBP7, directly bind and import ribosomal proteins. [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	IPO7 importin 7 [Homo sapiens (human)]
------------------	--

Official Symbol	IPO7
Synonyms	IPO7; importin 7; Imp7; RANBP7; importin-7; RAN-binding protein 7;
Entrez Gene ID	10527
mRNA Refseq	NM_006391.2
Protein Refseq	NP_006382.1
UniProt ID	B3KNG9
Chromosome Location	11p15.4
Function	Ran GTPase binding; histone binding; protein binding; small GTPase regulator activity; transporter activity;