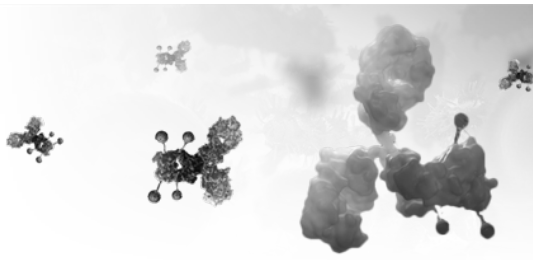

Human PIN1 blocking peptide (CDBP2305)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PIN1 antibody
Antigen Description	Peptidyl-prolyl cis/trans isomerases (PPIases) catalyze the cis/trans isomerization of peptidyl-prolyl peptide bonds. This gene encodes one of the PPIases, which specifically binds to phosphorylated ser/thr-pro motifs to catalytically regulate the post-phosphorylation conformation of its substrates. The conformational regulation catalyzed by this PPIase has a profound impact on key proteins involved in the regulation of cell growth, genotoxic and other stress responses, the immune response, induction and maintenance of pluripotency, germ cell development, neuronal differentiation, and survival. This enzyme also plays a key role in the pathogenesis of Alzheimer's disease and many cancers. Multiple alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jun 2011]
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	PIN1 peptidylprolyl cis/trans isomerase, NIMA-interacting 1 [Homo sapiens]
Official Symbol	PIN1

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Synonyms	PIN1; peptidylprolyl cis/trans isomerase, NIMA-interacting 1; protein (peptidyl prolyl cis/trans isomerase) NIMA interacting 1; peptidyl-prolyl cis-trans isomerase NIMA-interacting 1; dod; PPIase Pin1; rotamase Pin1; protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1; DOD; UBL5; FLJ40239; FLJ77628; MGC10717;
Entrez Gene ID	5300
mRNA Refseq	NM_006221
Protein Refseq	NP_006212
UniProt ID	Q13526
Chromosome Location	19p13
Pathway	Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; C-MYC pathway, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; ISG15 antiviral mechanism, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem;
Function	GTPase activating protein binding; isomerase activity; mitogen-activated protein kinase kinase binding; peptidyl-prolyl cis-trans isomerase activity; peptidyl-prolyl cis-trans isomerase activity; phosphoserine binding; phosphothreonine binding; phosphothr

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