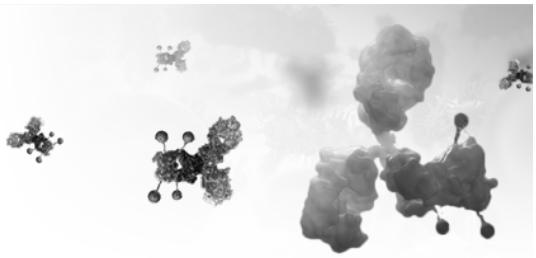

Human PER1 blocking peptide (CDBP2251)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PER1 antibody
Antigen Description	This gene is a member of the Period family of genes and is expressed in a circadian pattern in the suprachiasmatic nucleus, the primary circadian pacemaker in the mammalian brain. Genes in this family encode components of the circadian rhythms of locomotor activity, metabolism, and behavior. This gene is upregulated by CLOCK/ARNTL heterodimers but then represses this upregulation in a feedback loop using PER/CRY heterodimers to interact with CLOCK/ARNTL. Polymorphisms in this gene may increase the risk of getting certain cancers. Alternative splicing has been observed in this gene; however, these variants have not been fully described. [provided by RefSeq, Jan 2014]
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	PER1 period homolog 1 (Drosophila) [Homo sapiens]
Official Symbol	PER1

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Synonyms	PER1; period homolog 1 (Drosophila); PER, period (Drosophila) homolog 1; period circadian protein homolog 1; RIGUI; hPER1; Period, drosophila, homolog of; circadian clock protein PERIOD 1; circadian pacemaker protein RIGUI; PER; hPER; MGC88021;
Entrez Gene ID	5187
mRNA Refseq	NM_002616
Protein Refseq	NP_002607
UniProt ID	O15534
Chromosome Location	17p13.1
Pathway	BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian rhythm - mammal, organism-specific biosystem; Circadian rhythm - mammal, conserved biosystem; Circadian rhythm pathway, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Herpes simplex infection, organism-specific biosystem;
Function	E-box binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding; protein binding transcription factor activity; signal transducer activity;

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