



Anti-PER1 polyclonal antibody (DPAB-DC1447)

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

PRODUCT INFORMATION

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.
Immunogen	Recombinant GST fusion protein corresponding to rat Per1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat
Conjugate	Unconjugated
Applications	WB,
Format	Liquid
Size	200 µg
Buffer	In PBS (0.1% proclin, 2.0% Block Ace)
Preservative	None
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	Per1 period circadian clock 1 [Rattus norvegicus (Norway rat)]
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Official Symbol	PER1
Synonyms	PER1; period circadian clock 1; rper1; period circadian protein homolog 1; period 1; period homolog 1; circadian clock protein PERIOD 1;
Entrez Gene ID	287422
Protein Refseq	NP_001029297
UniProt ID	Q8CHI5
Chromosome Location	10q24
Pathway	BMAL1:CLOCK,NPAS2 activates circadian gene expression; Circadian entrainment; Circadian rhythm; Diurnally regulated genes with circadian orthologs
Function	E-box binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding; chromatin DNA binding; kinase binding
