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Overview

Target:



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Quantity:	100 μL
Target:	PER1
Binding Specificity:	AA 751-850
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PER1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))
Product Details	
Immunogen:	KLH conjugated synthetic peptide derived from human PER1 protein
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.
Target Details	

PER1

Target Details

Alternative Name:	PER1 protein (PER1 Products)
Background:	Synonyms: Circadian clock protein PERIOD 1, Circadian clock protein PERIOD1, Circadian
	pacemaker protein Rigui, hPER 1, hPER, hPER1, KIAA0482, MGC88021, PER 1, PER, PER1, PER
	protein, PER1_HUMAN, Period 1, Period circadian protein homolog 1, Period drosophila
	homolog of, Period homolog 1, Period1, RIGUI.
	Background: In mammals, several genes that encode members of the basic helix-loop helix
	(bHLH) PAS (PER-ARNT-SIM) transcription factor family have been shown to play a significant
	role in regulating circadian oscillations. Transactivation of CLOCK-induced genes is mediated
	via an E box enhancer (CACGTG) found upstream of target genes. CLOCK-ARNT 3
	heterodimers bind to E box regulatory elements and stimulate gene transcription. CLOCK has
	been shown to transactivate the mammalian homolog of Drosophila PER. PER, in concert with
	the product of the mammalian timeless gene (TIM), negatively regulates its own transcription
	by blocking the activity of the CLOCK-BMAL 1 transactivation complex.
Gene ID:	5187
Pathways:	Photoperiodism
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months