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anti-CLOCK antibody

2 Images

2

Publications



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Quantity:	100 μL
Target:	CLOCK
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CLOCK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

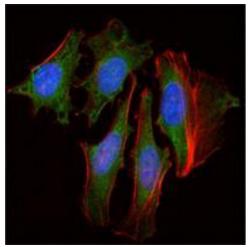
Immunogen:	Purified recombinant fragment of human CLOCK expressed in E. coli.,
Clone:	8F7
Isotype:	lgG1
Purification:	purified

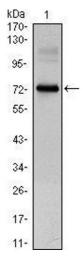
Target Details

Target:	CLOCK
Alternative Name:	CLOCK (CLOCK Products)
Background:	Description: This gene encodes a protein that belongs to the basic helix-loop-helix (bHLH) family of transcription factors. Polymorphisms within the encoded protein have been
	associated with circadian rhythm sleep disorders. A similar protein in mice is a circadian
	regulator that acts as a transcription factor and forms a heterodimer with aryl hydrocarbon

Target Details

rarget Details	
	receptor nuclear translocator-like to activate transcription of mouse period 1.
	Aliases: KAT13D, bHLHe8, KIAA0334, CLOCK
Molecular Weight:	95 kDa
Gene ID:	9575
HGNC:	9575
Pathways:	Regulation of Lipid Metabolism by PPARalpha, Photoperiodism
Application Details	
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage
Publications	
Product cited in:	Kuo, Chen, Yeh, Hou, Chang, Hsu, Chang: "Disturbance of circadian gene expression in breast
	cancer." in: Virchows Archiv: an international journal of pathology, Vol. 454, Issue 4, pp. 467-
	74, (2009) (PubMed).
	Lee, Paik, Kang, Lim, Kim: "Allelic variants interaction of CLOCK gene and G-protein beta3
	subunit gene with diurnal preference." in: Chronobiology international , Vol. 24, Issue 4, pp. 589
	97, (2007) (PubMed).





Immunofluorescence

Image 1. Immunofluorescence analysis of Hela cells using CLOCK mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

Western Blotting

Image 2. Western blot analysis using CLOCK mouse mAb against CLOCK(AA: 200-465)-hlgGFc transfected HEK293 cell lysate.