

Datasheet for ABIN1536671
anti-PER1 antibody (C-Term)[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	400 µL
Target:	PER1
Binding Specificity:	AA 1156-1183, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	This PER1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1156-1183 amino acids from the C-terminal region of human PER1.
Clone:	RB36279
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PER1
Alternative Name:	PER1 (PER1 Products)
Background:	This gene is a member of the Period family of genes and is expressed in a circadian pattern in

Target Details

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. Circadian expression in the suprachiasmatic nucleus continues in constant darkness, and a shift in the light/dark cycle evokes a proportional shift of gene expression in the suprachiasmatic nucleus. The specific function of this gene is not yet known. Alternative splicing has been observed in this gene, however, these variants have not been fully described.

Molecular Weight: 136212

Gene ID: 5187

NCBI Accession: [NP_002607](#)

UniProt: [O15534](#)

Pathways: [Photoperiodism](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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

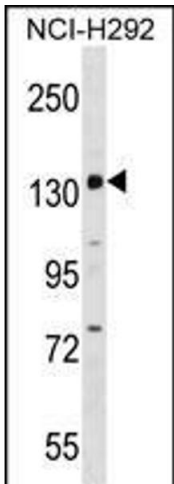
Storage Comment: PER1 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months

Publications

Product cited in: Hwang-Verslues, Chang, Jeng, Kuo, Chiang, Chang, Hsieh, Su, Lin, Abbondante, Yang, Hsu, Yu, Chang, Shew, Lee, Lee: "Loss of corepressor PER2 under hypoxia up-regulates OCT1-mediated

EMT gene expression and enhances tumor malignancy." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 110, Issue 30, pp. 12331-6, (2013) ([PubMed](#)).



Western Blotting

Image 1. PER1 Antibody (C-term) (ABIN1536671 and ABIN2848489) western blot analysis in NCI- cell line lysates (35 µg/lane). This demonstrates the PER1 antibody detected the PER1 protein (arrow).