

Datasheet for ABIN954090
anti-PER1 antibody (C-Term)



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1 Image

Overview

Quantity:	0.4 mL
Target:	PER1
Binding Specificity:	AA 1155-1183, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PER1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 1155-1183 amino acids from the C-terminal region of human PER1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human PER1 (C-term).
Purification:	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. Synonyms: Circadian clock protein PERIOD 1, Circadian pacemaker protein Rigiui, KIAA0482, PER, Period circadian protein homolog 1, RIGUI, hPER

Molecular Weight: 136212 Da

Gene ID: 5187

NCBI Accession: [NP_002607](#)

Pathways: [Photoperiodism](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

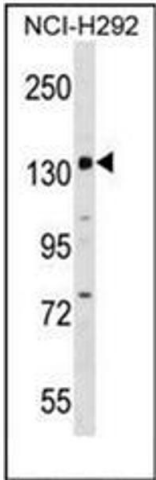
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of PER1 Antibody (C-term) in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PER1 antibody detected the PER1 protein (arrow).