

PER1 rabbit monoclonal antibody

Catalog # H00005187-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PER1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PER1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PER1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PER1

Entrez GeneID [5187](#)

GeneBank Accession# [PER1](#)

Gene Name PER1

Gene Alias MGC88021, PER, RIGUI, hPER

Gene Description period homolog 1 (Drosophila)

Omim ID [602260](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. 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. [provided by RefSeq]

Other Designations Period, drosophila, homolog of circadian pacemaker protein RIGUI, period 1

Pathway

- [Circadian rhythm - mammal](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)

- [Chronobiology Disorders](#)
- [Cocaine-Related Disorders](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Mood Disorders](#)
- [NARP](#)
- [Ovarian cancer](#)
- [Paranoid Disorders](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep](#)
- [Sleep Disorders](#)
- [Time Perception](#)