



## CLOCK

### Catalog number

030107

### Supplier

United States Biological

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 receptor nuclear translocator-like to activate transcription of mouse period 1.

### Applications

Western Blotting: 1:500-1:2000.

Immunofluorescence: 1:200-1:1000.

ELISA: Suggested dilution 1:10000.

Optimal dilutions to be determined by the researcher.

### Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

### Immunogen

Purified recombinant fragment of human CLOCK expressed in E. coli.

### Formulation

Ascites fluid, 0.03% sodium azide.

### Purity

Ascites

### Specificity

Human

### Product Type

Mab

### Source

human

### Isotype

IgG1

### Grade

Ascites



## Applications

E WB

## Crossreactivity

Hu

## Storage

-20°C

## MW

95

## Reference

1. Chronobiol Int. 2007;24(4):589-97.
2. Neurosci Lett. 2008 Apr 11;435(1):30-3.
3. Virchows Arch. 2009 Apr;454(4):467-74.