

Datasheet for ABIN359753

**anti-CLOCK antibody (Middle Region)**[Go to Product page](#)**1** Image

## Overview

|                      |                                                                                       |
|----------------------|---------------------------------------------------------------------------------------|
| Quantity:            | 0.4 mL                                                                                |
| Target:              | CLOCK                                                                                 |
| Binding Specificity: | Middle Region                                                                         |
| Reactivity:          | Human                                                                                 |
| Host:                | Rabbit                                                                                |
| Clonality:           | Polyclonal                                                                            |
| Conjugate:           | This CLOCK antibody is un-conjugated                                                  |
| Application:         | Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

## Product Details

|               |                                                                                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the Center region of human CLOCK. |
| Isotype:      | Ig Fraction                                                                                                                               |
| Specificity:  | This antibody reacts to CLOCK.                                                                                                            |
| Purification: | Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.                                              |

## Target Details

|                   |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|
| Target:           | CLOCK                                                                               |
| Alternative Name: | CLOCK ( <a href="#">CLOCK Products</a> )                                            |
| Background:       | CLOCK belongs to the basic helix-loop-helix (bHLH) family of transcription factors. |

## Target Details

Polymorphisms within this 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. Synonyms: BHLHE8, Circadian locomotor output cycles protein kaput, Class E basic helix-loop-helix protein 8, KIAA0334

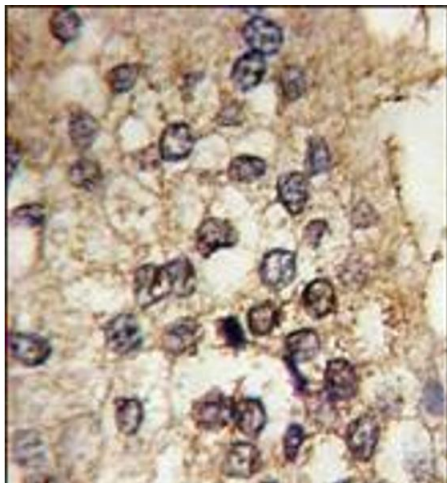
|           |                                                                                              |
|-----------|----------------------------------------------------------------------------------------------|
| Gene ID:  | 9575, 9606                                                                                   |
| UniProt:  | <a href="#">O15516</a>                                                                       |
| Pathways: | <a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Photoperiodism</a> |

## Application Details

|                    |                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | ELISA: 1/1,000. Immunohistochemistry: 1/10 - 1/50.<br>Other applications not tested.<br>Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions:      | For Research Use only                                                                                                                                                       |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 0.25 mg/mL                                                                                                             |
| Buffer:            | 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. |
| Handling Advice:   | Avoid repeated freezing and thawing.                                                                                   |
| Storage:           | 4 °C/-20 °C                                                                                                            |
| Storage Comment:   | Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.                            |



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with CLOCK antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.