

## Rabbit CLOCK Polyclonal Antibody | anti-CLOCK antibody

CLOCK Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                       |
|-----------|--------|-------------------|------------------------------------------------------------------------------------|
| AAA320960 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

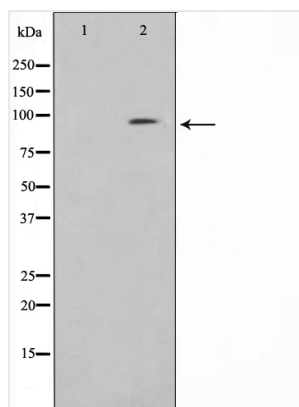
### PRODUCT SYNONYMS

CLOCK; Polyclonal Antibody; CLOCK Antibody; bHLHe8; Circadian locomotor output cycles kaput protein; Circadian locomotor output cycles protein kaput; Circadian Locomotor Output Cycles Kaput; Circadium Locomotor Output Cycles Kaput; Class E basic helix-loop-helix protein 8; Clock circadian regulator; Clock homolog; Clock protein; CLOCK\_HUMAN; hCLOCK; KIAA0334; anti-CLOCK antibody

### PRODUCT SPECIFICATIONS

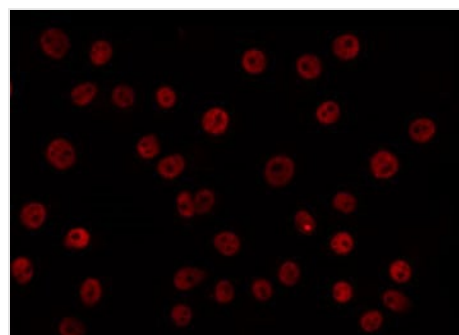
|                                                 |                                                                                                            |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                     |
| Reactivity                                      | Human, Mouse, Rat                                                                                          |
| Clonality                                       | Polyclonal                                                                                                 |
| Isotype                                         | IgG                                                                                                        |
| Specificity                                     | Clock antibody detects endogenous levels of total Clock                                                    |
| Purity/Purification                             | Peptide affinity Purification                                                                              |
| Form/Format                                     | Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                        |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                     |
| Sequence Length                                 | 846                                                                                                        |
| Applicable Applications for anti-CLOCK antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)   |
| Immunogen                                       | A synthesized peptide derived from human clock, corresponding to a region within the internal amino acids. |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                          |

### IMAGES



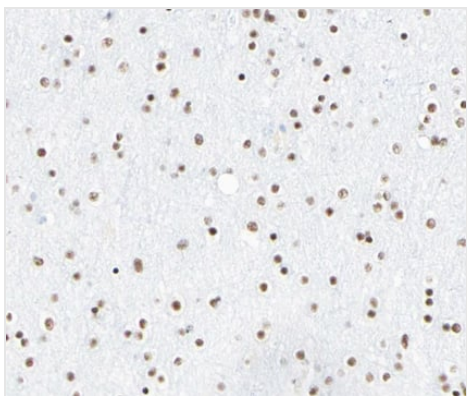
#### WB (Western Blot)

Western blot analysis on HuvEc cell lysate using Clock Antibody. The lane on the left is treated with the antigen-specific peptide.



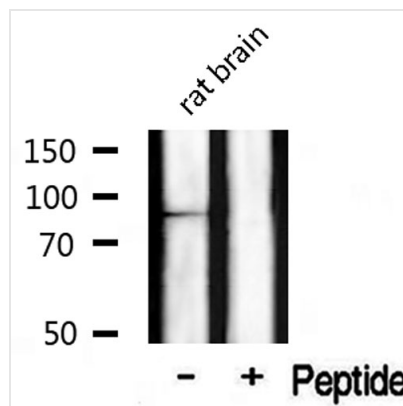
#### IF (Immunofluorescence)

AAA320960 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



#### IHC (Immunohistochemistry)

AAA320960 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### WB (Western Blot)

Western blot analysis on rat brain lysate using Clock Antibody

## ADDITIONAL INFORMATION

#### Related Product Information for anti-CLOCK antibody

Description: CLOCK ARNTL2-CLOCK heterodimers activate E-box element (3'-CACGTG-5') transcription of a number of proteins of the circadian clock. Activates transcription of PER1 and PER2. This transcription is inhibited in a feedback loop by PER and CRY proteins. Has intrinsic histone acetyltransferase activity and this enzymatic function contributes to chromatin-remodeling events implicated in circadian control of gene expression. Acetylates primarily histones H3 and H4.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 392841204                                       |
| NCBI GeneID                      | 9575                                            |
| NCBI Accession #                 | NP_001254772.1                                  |
| NCBI GenBank Nucleotide #        | NM_001267843.1                                  |
| UniProt Accession #              | O15516; O14516; Q9UIT8; A0AV01; A2I2N9          |
| Molecular Weight                 | 95 kDa                                          |
| NCBI Official Full Name          | circadian locomoter output cycles protein kaput |
| NCBI Official Synonym Full Names | clock circadian regulator                       |
| NCBI Official Symbol             | CLOCK                                           |
| NCBI Official Synonym Symbols    | KAT13D; bHLHe8                                  |
| NCBI Protein Information         | circadian locomoter output cycles protein kaput |
| UniProt Protein Name             | Circadian locomoter output cycles protein kaput |
| UniProt Gene Name                | <b>CLOCK</b>                                    |
| UniProt Synonym Gene Names       | BHLHE8; KIAA0334; hCLOCK; bHLHe8                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/clock-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320960>