

## Rabbit PER1 Polyclonal Antibody | anti-PER1 antibody

PER1 Rabbit Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA314175 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

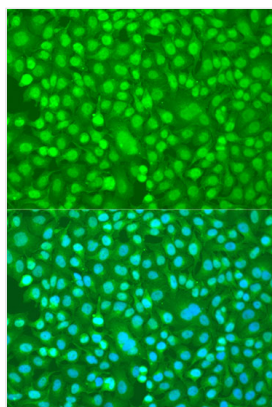
### PRODUCT SYNONYMS

PER1; Polyclonal Antibody; PER1 Rabbit Polyclonal Antibody; PER; RIGUI; hPER; anti-PER1 antibody

### PRODUCT SPECIFICATIONS

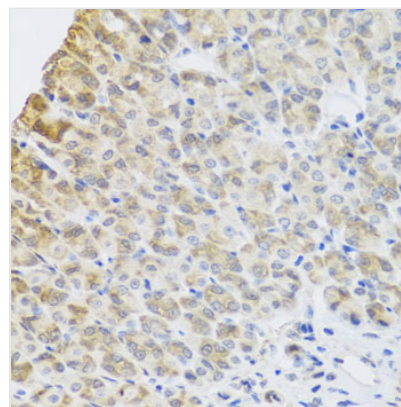
|                                                |                                                                        |
|------------------------------------------------|------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                 |
| Reactivity                                     | Human, Mouse, Rat                                                      |
| Clonality                                      | Polyclonal                                                             |
| Isotype                                        | IgG                                                                    |
| Purity/Purification                            | Affinity purification                                                  |
| Form/Format                                    | Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.              |
| Applicable Applications for anti-PER1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                      | Recombinant fusion protein of human PER1 (NP_002607.2).                |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                       |

### IMAGES



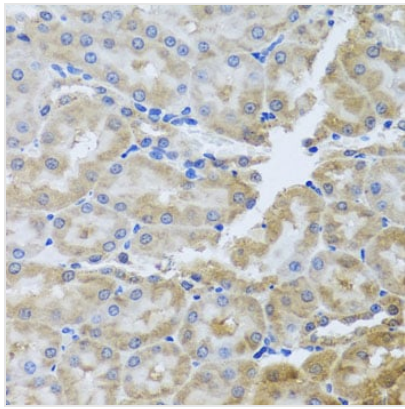
#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using PER1 at dilution of 1:100. Blue: DAPI for nuclear staining.



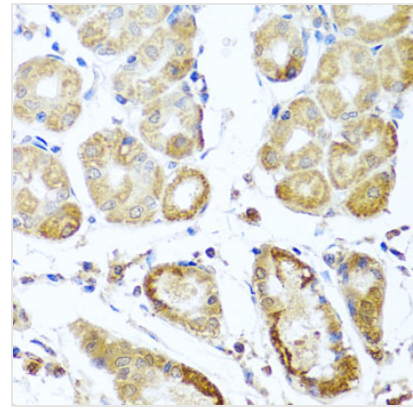
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse stomach using PER1 at dilution of 1:100 (40x lens).



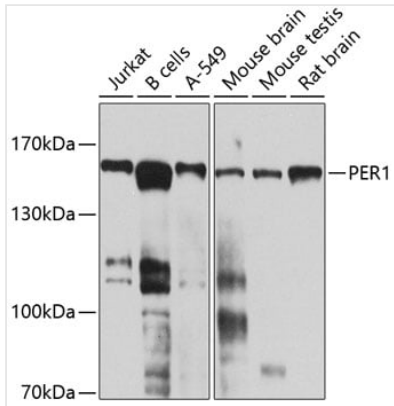
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using PER1 at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach using PER1 at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PER1 at 1:1000 dilution.

## ADDITIONAL INFORMATION

### Related Product Information for anti-PER1 antibody

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. This gene is upregulated by CLOCK/ARNTL heterodimers but then represses this upregulation in a feedback loop using PER/CRY heterodimers to interact with CLOCK/ARNTL. Polymorphisms in this gene may increase the risk of getting certain cancers. Alternative splicing has been observed in this gene; however, these variants have not been fully described.

### Product Categories/Family for anti-PER1 antibody

[Primary Antibody](#)

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">218511752</a>                                                                         |
| NCBI GeneID                      | <a href="#">5187</a>                                                                              |
| UniProt Accession #              | <a href="#">O15534</a> ; <a href="#">B2RPA8</a> ; <a href="#">B4DI49</a> ; <a href="#">D3DTR3</a> |
| Molecular Weight                 | – Da                                                                                              |
| NCBI Official Full Name          | Period circadian protein homolog 1                                                                |
| NCBI Official Synonym Full Names | period circadian clock 1                                                                          |
| NCBI Official Symbol             | PER1                                                                                              |
| NCBI Official Synonym Symbols    | PER; hPER; RIGUI                                                                                  |

|                            |                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Protein Information   | period circadian protein homolog 1; hPER1; period homolog 1; Period, drosophila, homolog of; circadian clock protein PERIOD 1; circadian pacemaker protein RIGUI |
| UniProt Protein Name       | Period circadian protein homolog 1                                                                                                                               |
| UniProt Gene Name          | PER1                                                                                                                                                             |
| UniProt Synonym Gene Names | KIAA0482; PER; RIGUI; hPER1                                                                                                                                      |
| UniProt Entry Name         | PER1_HUMAN                                                                                                                                                       |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/per1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/314175>