

## PER3 (PT1614R) PT™ Rabbit mAb

CatalogNo: YM9456 **Recombinant** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IF, ELISA

#### MW

- 132kD (Calculated)  
125kD (Observed)

#### Isotype

- IgG, Kappa

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

### Recommended Dilution Ratios

**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

### Basic Information

**Clonality** Monoclonal**Clone Number** PT1614R

### Immunogen Information

**Specificity** Endogenous

### Target Information

**Gene name** PER3

**Protein Name** Period circadian protein homolog 3

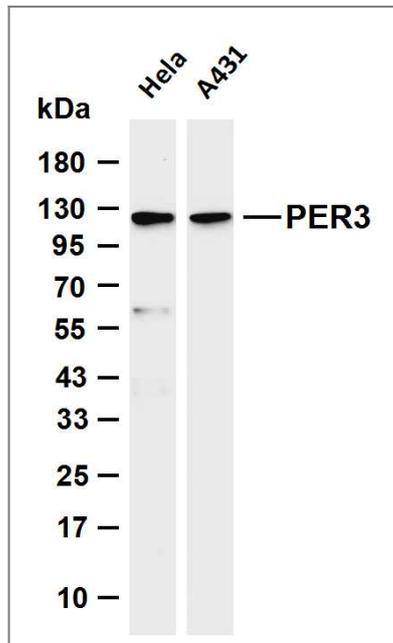
Organism	Gene ID	UniProt ID
Human	<a href="#">8863</a> ;	<a href="#">P56645</a> ;
Mouse		<a href="#">O70361</a> ;

**Cellular Localization** Cytoplasm . Nucleus . Mainly cytoplasmic. Translocates to the nucleus through binding PER1, PER2, CRY1 or CRY2, but not TIMELESS. .

**Tissue specificity** Brain,

**Function** Function:Component of the circadian clock mechanism which is essential for generating circadian rhythms. Function unknown.,PTM:Phosphorylation appears to require association with PER1 and translocation to the nucleus.,PTM:Ubiquitinated.,similarity:Contains 1 PAC (PAS-associated C-terminal) domain.,similarity:Contains 2 PAS (PER-ARNT-SIM) domains.,subcellular location:Mainly cytoplasmic. Translocates to the nucleus through binding PER1, PER2, CRY1 or CRY2, but not TIMELESS.,subunit:Homodimer. Component of the circadian core oscillator, which includes the CRY proteins, CLOCK or NPAS2, BMAL1 or BMAL2, CSNK1D and/or CSNK1E, TIMELESS and the PER proteins. Interacts directly with PER1, PER2, CRY1, CRY2, and TIMELESS. Interaction with CSNK1D or CSNK1E promotes nuclear location of PER proteins.,

## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PER3 (PT1614R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: A431 Predicted band size: 132kDa Observed band size: 125kDa

## Contact information

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**PER3 (PT1614R)**  
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