

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

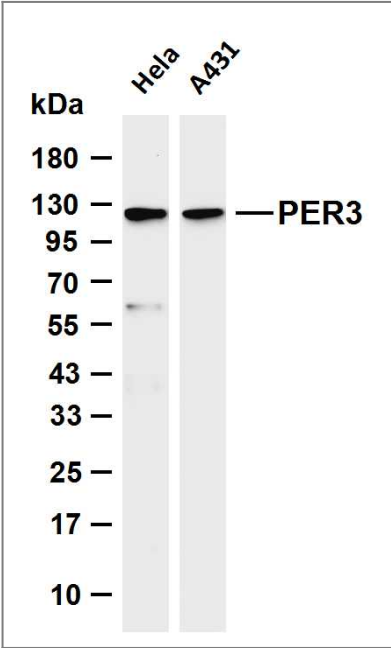
Immunogen Information

Specificity Endogenous

Target Information

Gene name	PER3		
Protein Name	Period circadian protein homolog 3		
	Organism	Gene ID	UniProt ID
	Human	8863 ;	P56645 ;
	Mouse		O70361 ;
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 CSKN1E 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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