

# PER2 Rabbit Polyclonal Antibody



CAB13168

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

136kDa

### Calculated MW:

45kDa/136kDa

### Applications:

WB IHC

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

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 and have been linked to sleep disorders.

## Immunogen information

### Gene ID:

8864

### Uniprot

O15055

### Synonyms:

PER2; FASPS; FASPS1

### Immunogen:

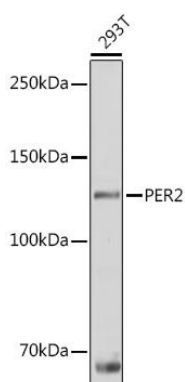
Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of human PER2 (NP\_073728.1).

### Storage:

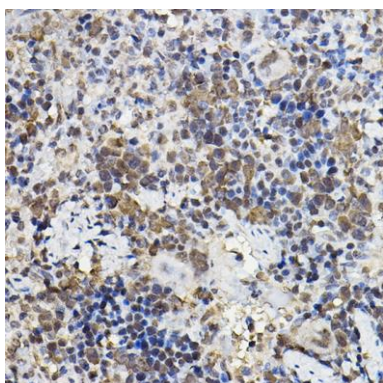
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

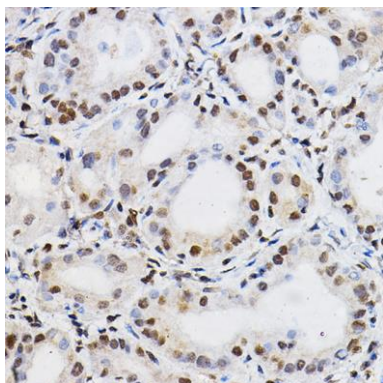
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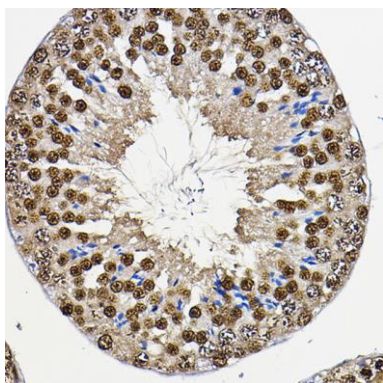
Western blot analysis of extracts of 293T cells, using PER2 antibody (CAB13168) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Immunohistochemistry of paraffin-embedded rat spleen using PER2 Rabbit pAb (CAB13168) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human thyroid cancer using PER2 Rabbit pAb (CAB13168) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using PER2 Rabbit pAb (CAB13168) at dilution of 1:100 (40x lens).