

A5107

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## PER2 Rabbit mAb

Catalog No.: A5107

Recombinant

4 Publications

### Basic Information

#### Observed MW

140kDa

#### Calculated MW

137kDa

#### Category

Polyclonal Antibody

#### Applications

WB,ChIP,ELISA

#### Cross-Reactivity

Human

#### CloneNo number

ARC1134

### 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.

### Recommended Dilutions

**WB** 1:500 - 1:2000

**ChIP** 5µg antibody for  
10µg-15µg of Chromatin

### Immunogen Information

#### Gene ID

8864

#### Swiss Prot

O15055

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PER2 (O15055).

#### Synonyms

FASPS; FASPS1; PER2

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

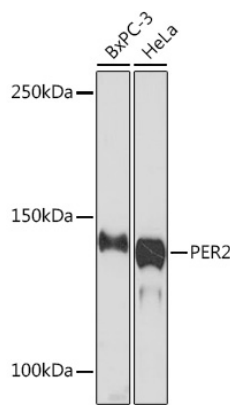
Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using PER2 Rabbit mAb (A5107) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 3min.

