

Datasheet for ABIN6145451  
**anti-PER2 antibody (AA 1-100)**[Go to Product page](#)

## 1 Image

## Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 100 µL                              |
| Target:              | PER2                                |
| Binding Specificity: | AA 1-100                            |
| Reactivity:          | Human                               |
| Host:                | Rabbit                              |
| Clonality:           | Polyclonal                          |
| Conjugate:           | This PER2 antibody is un-conjugated |
| Application:         | Western Blotting (WB)               |

## Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PER2 (NP_073728.1).           |
| Sequence:         | MNGYAEFPPS PSNPTKEPVE PQPSQVPLQE DVDMSGSSG HETNENCSTG RDSQGSDCDD<br>SGKELGMLVE PPDARQSPDT FSLMMAKSEH NPSTSGCSDS |
| Isotype:          | IgG   |
| Cross-Reactivity: | Mouse   |
| Characteristics:  | Polyclonal Antibodies   |

## Target Details

|         |      |
|---------|------|
| Target: | PER2 |
|---------|------|

## Target Details

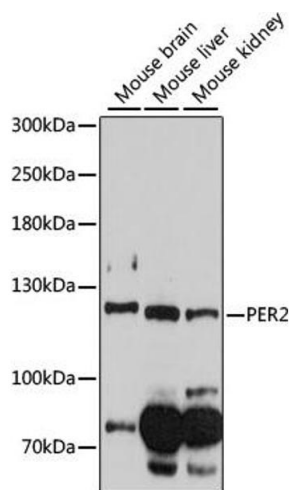
|                   |   |
|-------------------|---|
| Alternative Name: | PER2 ( <a href="#">PER2 Products</a> )  |
| Background:       | <p>This gene is a member of the Period family of genes and is expressed in a circadian pattern in the suprachiasmatic nucleus, the primary circadian pacemaker in the 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.,PER2,FASPS,FASPS1,Epigenetics &amp; Nuclear Signaling,Cancer,Signal Transduction,Endocrine &amp; Metabolism,Neuroscience,Cardiovascular,Blood,Blood Pressure regulation,PER2</p> |
| Molecular Weight: | 45 kDa/136 kDa  |
| Gene ID:          | 8864  |
| UniProt:          | <a href="#">O15055</a>  |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | WB,1:500 - 1:2000     |
| Restrictions:      | For Research Use only |

## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.  |



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using PER2 antibody (ABIN6134741, ABIN6145451, ABIN6145453 and ABIN6218314) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.