

# Per3 Polyclonal Antibody

### Description

Product type Primary Antibody

Code BT-AP07062

**Host** Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human PER3. AA range:21-70

Mol wt 131872/43102

Species reactivity Human

Clonality Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name Per3 Antibody

Synonyms PER3; GIG13; Period circadian protein homolog 3; hPER3; Cell growth-inhibiting gene 13 protein;

Circadian clock protein PERIOD 3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

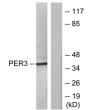
PER3 (period circadian clock 3) is a member of the Period family of genes and is expressed in a circadian pattern in the suprachiasmatic nucleus, the primary circadian pacemaker in the mammalian brain. Genes in this family encode components of the circadian rhythms of locomotor activity, metabolism, and behavior. PER3 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 PER3 have been linked to sleep disorders. Multiple transcript variants encoding different isoforms have been found for PER3.

## Recommended Dilution

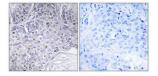
WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 40000

Not yet tested in other applications.

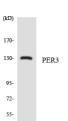
#### **Images**



Western blot analysis of lysates from Jurkat cells, treated with insulin 0.01U/ml 15', using PER3 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at  $1:100(4^{\circ} \text{ overnight})$ . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of the lysates from HepG2 cells using PER3 antibody.

# Storage

-20°C for one year

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