

## PER2 polyclonal antibody

Catalog: BS66168

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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.

### Product:

PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.

### Molecular Weight:

~ 136 kDa

### Swiss-Prot:

O15055

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500-1:1000

IHC: 1:50-1:200

ChIP: 1:50-1:200

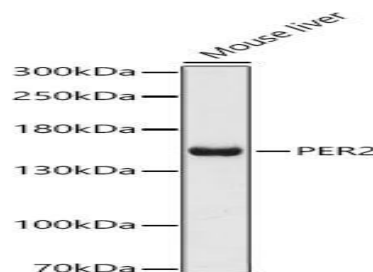
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

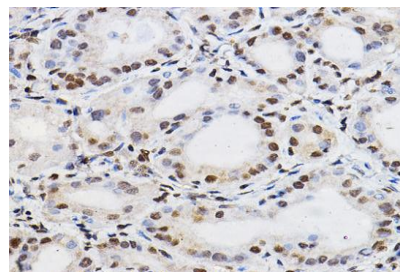
### Specificity:

PER2 polyclonal antibody detects endogenous levels of PER2 protein.

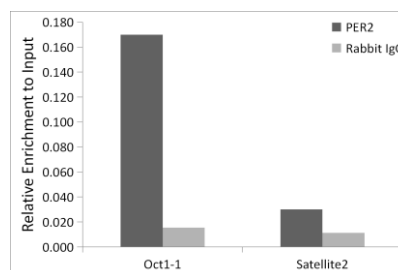
### DATA:



Western blot analysis of extracts of Mouse liver, using PER2 antibody at 1:1000 dilution.



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



Chromatin immunoprecipitation analysis of extracts of MCF7 cells, using PER2 antibody and rabbit IgG.

### Note:

For research use only, not for use in diagnostic procedure.

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