

Anti-PER2 Polyclonal Antibody

CATALOG NO.: **A2339-50 (50 µl)**
A2339-100 (100 µl)

BACKGROUND DESCRIPTION: The PERIOD 2 (PER2) protein is a transcriptional repressor which forms a core component of the circadian clock. Expressed in the suprachiasmatic nucleus, PER2 is responsible for circadian rhythms in locomotor activity, metabolism, and behavior. The circadian autoregulatory loop involves PERIOD heterodimers with cryptochrome proteins interacting with CLOCK/ARNTL. Polymorphisms in PER2 may increase the risk of developing certain cancers and sleep disorders.

ALTERNATE NAMES: Period Circadian Regulator 2; Circadian Clock Protein PERIOD 2; HPER2; PERIOD 2

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Recombinant fusion protein with sequence corresponding to human PER2 (amino acids 1 to 150)

PURIFICATION: Affinity purification

MOLECULAR WEIGHT: 136 kDa

FORM: Liquid

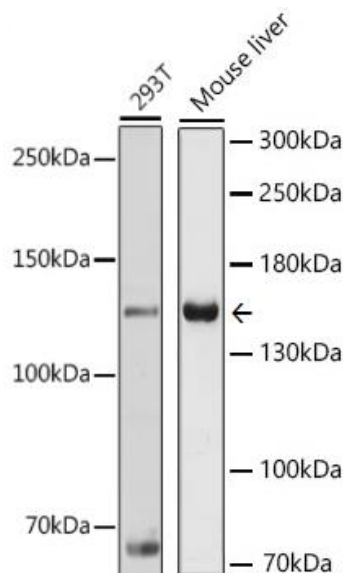
FORMULATION: In PBS with 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human, Mouse

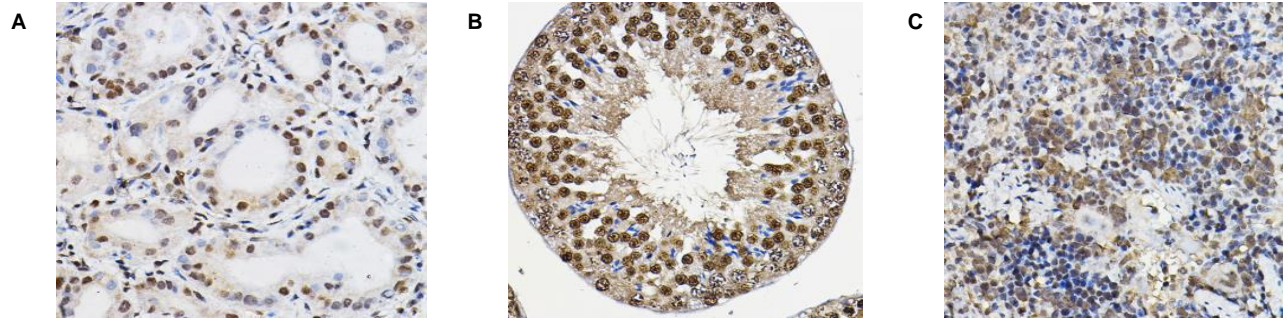
STORAGE CONDITIONS: Aliquot and store at -20 °C. Avoid repeated freeze-thaw cycles

APPLICATIONS: Western blotting: 1:500 to 1:2000 dilution; IHC: 1:50 to 1:200 dilution

This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of 293T cell lysate and mouse liver lysate samples using Anti-PER2 Polyclonal Antibody. The detected PER2 band is indicated by the arrow.



Immunohistochemistry analysis of **A)** human thyroid cancer; **B)** mouse testis; and **C)** rat spleen tissue samples using Anti-PER2 Polyclonal Antibody.

RELATED PRODUCTS:

Anti-CSNK1E Polyclonal Antibody (Cat. No. A2334)
Anti-BHLHE40 Polyclonal Antibody (Cat. No. A2333)
Anti-CLOCK Polyclonal Antibody (Cat. No. A2329)
Anti-PER1 Polyclonal Antibody (Cat. No. A2328)
Anti-ARNTL Polyclonal Antibody (Cat. No. A2330)

FOR RESEARCH USE ONLY! Not to be used on humans.