

## CRY2

**Reactivity:**Human Mouse

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:100

**Calculated MW:**67kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human CRY2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

e

**Synonym:**

HCRY2; PHLL2;

**Catalog #:**A6891

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1408

**Isotype:**IgG

**Swiss Prot:**Q49AN0

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes a flavin adenine dinucleotide-binding protein that is a key component of the circadian core oscillator complex, which regulates the circadian clock. 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 have been associated with altered sleep patterns. The encoded protein is widely conserved across plants and animals. Two transcript variants encoding different isoforms have been found for this gene.

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