

## CRY1

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**Reactivity:**Human Mouse

**Tested applications:**WB IHC

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

**Calculated MW:**66kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human CRY1

**Storage Buffer:**

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

**Synonym:**

PHLL1;

**Catalog #:**A6890

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1407

**Isotype:**IgG

**Swiss Prot:**Q16526

**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. Loss of the related gene in mouse results in a shortened circadian cycle in complete darkness.

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