

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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