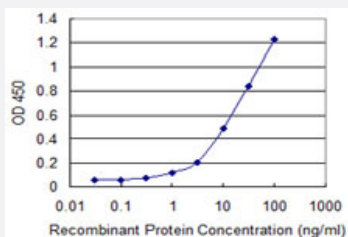


# CRY1 monoclonal antibody (M02), clone 2G4-1F6

Catalog # H00001407-M02

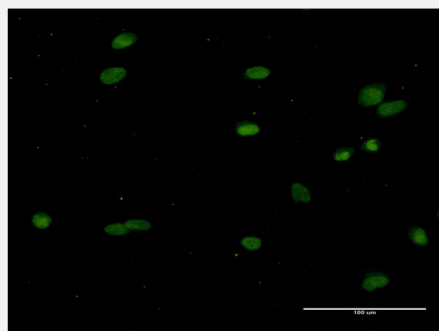
Size 100 ug

## Applications



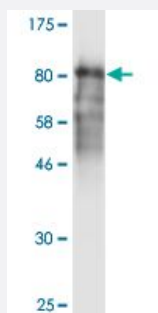
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CRY1 is 0.3 ng/ml as a capture antibody.



### Immunofluorescence

Immunofluorescence of monoclonal antibody to CRY1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (90.2 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a full-length recombinant CRY1.

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                     | CRY1 (AAH30519, 1 a.a. ~ 586 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sequence                      | MGVNAVHWFRKGLRLHDNPALKECIQGADTIRC VYILDPWFAGSSNVGINRWRFLQCLELDAN<br>LRKLNSRLFVIRGQPADVFPRLFKEWNITKLSIEYDSEPFGKERDAAIKKLATEAGVEVIVRISHTLY<br>DLDKIIELNGGQPPLTYKRFQTLISKMEPLEIPVETITSEVIEKCTTPLSDDHDEKYGVPSLEELGFD<br>T DGLSSAVWPGGETEALTRLERHLERKAWVANFERPRMNANSLASPTGLSPYLRFGLSCRLFY<br>FKLTDLYKKVKKNSSPPLSLYGQLLWREFFYTAATNNPRFDKMEGNPICVQIPWDKNPEALAKWA<br>EGRTGFPWIDAIMTQLRQEGWIIHLARHAVACFLTRGDLWISWEEGMKVFEELLDADWSINAGS<br>WMWLSCSSFFQQFFHCYCPVGFGRRTDPNGDYIRRYLPVLRGFPAKYYPWNAPEGIQKVAKC<br>LIGVNYPKPMVNHAEASRLNIERMKQIQQLSRYRGLGLLASVPSNPNGNGGFMGYSAENIPGCSS<br>SGSCSQSGILHYAHGDSQQTHLLKQGRSSMGTGLSGGKRPSQEEDTQSIGPKVQRQSTN |
| Host                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reactivity                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Interspecies Antigen Sequence | Mouse (93); Rat (96)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype                       | IgG1 Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (90.2 KDa) .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Storage Buffer                | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CRY1 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CRY1 on HeLa cell . [antibody concentration 10 ug/ml]

## Gene Info — CRY1

|                     |                                  |
|---------------------|----------------------------------|
| Entrez GeneID       | <a href="#">1407</a>             |
| GeneBank Accession# | <a href="#">BC030519</a>         |
| Protein Accession#  | <a href="#">AAH30519</a>         |
| Gene Name           | CRY1                             |
| Gene Alias          | PHLL1                            |
| Gene Description    | cryptochrome 1 (photolyase-like) |
| Omim ID             | <a href="#">601933</a>           |
| Gene Ontology       | <a href="#">Hyperlink</a>        |
| Other Designations  | -                                |

## Pathway

- [Circadian rhythm - mammal](#)

## Disease

- [Bipolar Disorder](#)
- [Chronobiology Disorders](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Heroin Dependence](#)
- [Mood Disorders](#)
- [Opioid-Related Disorders](#)
- [Prostatic Neoplasms](#)
- [Sleep Disorders](#)

- [Tobacco Use Disorder](#)