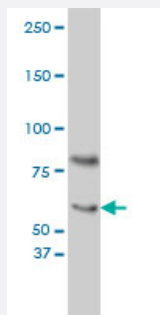


CRY1 monoclonal antibody (M01), clone 4H4-1C4

Catalog # H00001407-M01

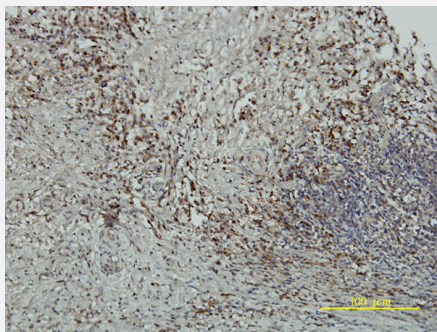
Size 100 ug

Applications



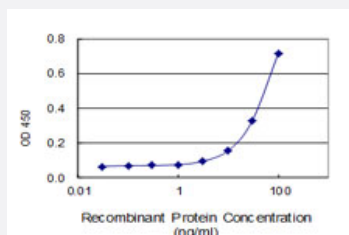
Western Blot (Cell lysate)

CRY1 monoclonal antibody (M01), clone 4H4-1C4 Western Blot analysis of CRY1 expression in HeLa S3 NE (Cat # L013V3).



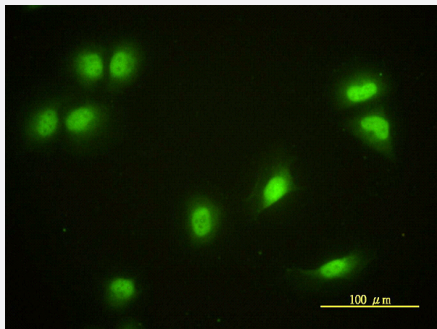
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CRY1 on formalin-fixed paraffin-embedded human colon adenocarcinoma tissue. [antibody concentration 5 ug/ml]



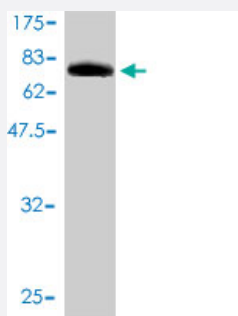
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CRY1 is 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	MGVNAVHWFRKGLRLHDNPALKECIQGADTIRCXYLDPWFAAGSSNVGINRWRFLQCLELDAN LRKLNSRLFVIRGQPADVFPRLFKEWNITKLSIEYDSEPFGKERDAAIKKLATEAGVEVIVRISHTLY DLDKIIELNGGQPPLTYKRFQTLISKMEPLEIPVETITSEVIEKCTTPLSDDHDEKYGVPSLEELGFD DGLSSAVWPGGETEALTRLERHLERKAWVANFERPRMNANSLASPTGLSPYLRFGCLSCRLFY FKLTDLYKKVKKNSSPPLSLYGQLLWREFFYTAATNNPRFDKMEGNPICVQIPWDKNPEALAKWA EGRTGFPWIDAIMTQLRQEGWIIHLARHAVACFLTRGDLWISWEEGMKVFEELLDADWSINAGS WMWLSCSSFFQQFFHCYCPVGFGRRTDPNGDYIRRYLPVLRGFPKYYDPWNAPEGIQKVAKC LIGVNYPKPMVNHAEASRLNIERMKQYQQLSRYRGLGLLASVPSNPNGNGGFMGYSAENIPGCSS SGSCSQSGILHYAHGDSQQTHLLKQGRSSMGTGLSGGKRPSQEEDTQSIGPKVQRQSTN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (96)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. 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 (Cell lysate)

CRY1 monoclonal antibody (M01), clone 4H4-1C4 Western Blot analysis of CRY1 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CRY1 on formalin-fixed paraffin-embedded human colon adenocarcinoma tissue. [antibody concentration 5 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CRY1 is 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[1407](#)**GeneBank Accession#**[BC030519](#)**Protein Accession#**[AAH30519](#)**Gene Name**

CRY1

Gene Alias

PHLL1

Gene Description	cryptochrome 1 (photolyase-like)
Omim ID	601933
Gene Ontology	Hyperlink
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](#)