

CRY1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant CRY1.****Catalog # AT1640a****Specification**

CRY1 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, IF
Primary Accession	Q16526
Other Accession	BC030519
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	66395

CRY1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 1407**Other Names**

Cryptochrome-1, CRY1, PHLL1

Target/Specificity

CRY1 (AAH30519, 1 a.a. ~ 586 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

CRY1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

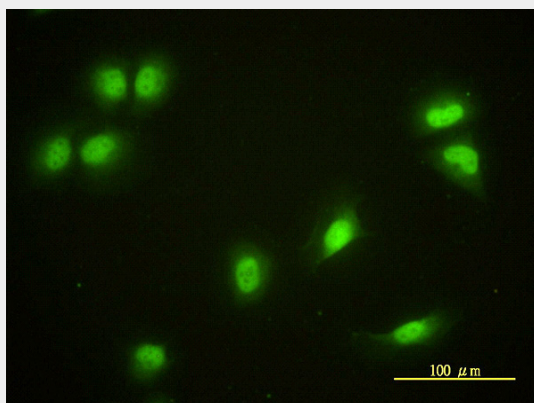
CRY1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

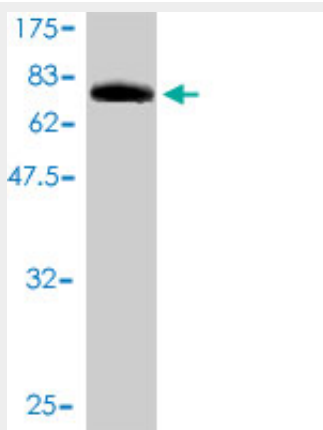
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

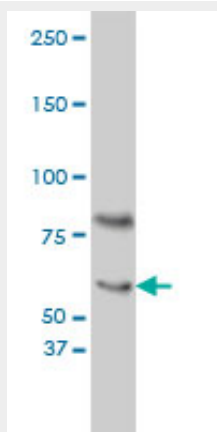
CRY1 Antibody (monoclonal) (M01) - Images



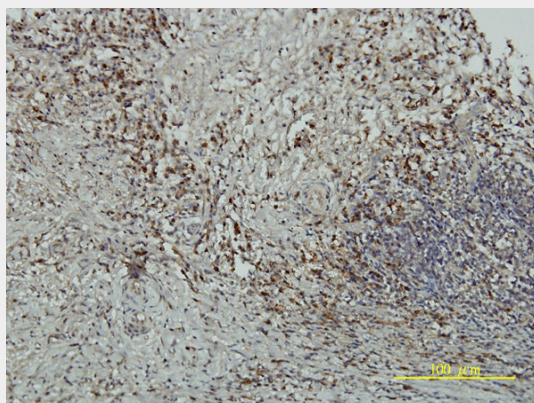
Immunofluorescence of monoclonal antibody to CRY1 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (90.2 KDa) .



CRY1 monoclonal antibody (M01), clone 4H4-1C4 Western Blot analysis of CRY1 expression in Hela S3 NE ((Cat # AT1640a)



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

CRY1 Antibody (monoclonal) (M01) - References

Response to methadone maintenance treatment is associated with the MYOCD and GRM6 genes. Fonseca F, et al. Mol Diagn Ther, 2010 Jun 1. PMID 20560679. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Systematic analysis of circadian genes in a population-based sample reveals association of TIMELESS with depression and sleep disturbance. Utge SJ, et al. PLoS One, 2010 Feb 18. PMID 20174623. Differential association of circadian genes with mood disorders: CRY1 and NPAS2 are associated with unipolar major depression and CLOCK and VIP with bipolar disorder. Soria V, et al. Neuropsychopharmacology, 2010 May. PMID 20072116. Testing the circadian gene hypothesis in prostate cancer: a population-based case-control study. Zhu Y, et al. Cancer Res, 2009 Dec 15. PMID 19934327.