10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CRY1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CRY1.
Catalog # AT1640a

Specification

CRY1 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, IHC**
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

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.

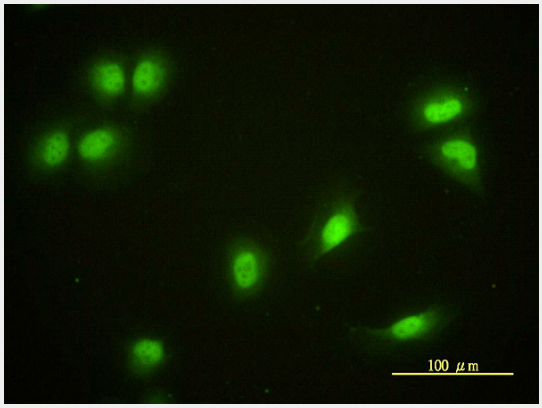
CRY1 Antibody (monoclonal) (M01) - Protocols

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

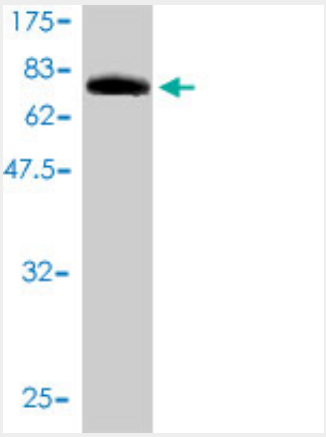
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

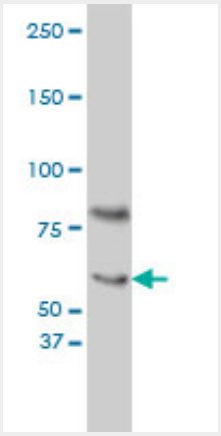
CRY1 Antibody (monoclonal) (M01) - Images



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

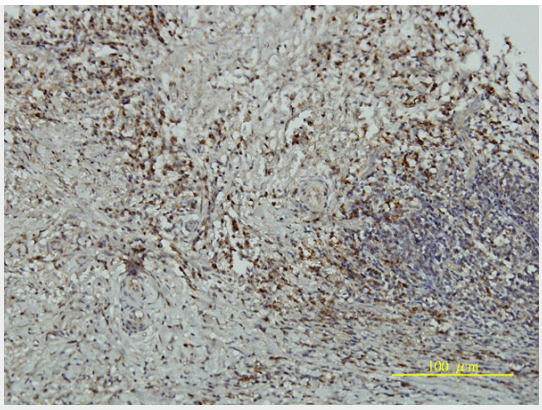


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (90.2 KDa) .



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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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.