

HIC1 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a full length recombinant HIC1.****Catalog # AT2368a****Specification**

HIC1 Antibody (monoclonal) (M02) - Product Information

Application	WB, IF, E
Primary Accession	Q14526
Other Accession	NM_006497
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	76508

HIC1 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 3090**Other Names**

Hypermethylated in cancer 1 protein, Hic-1, Zinc finger and BTB domain-containing protein 29, HIC1, ZBTB29

Target/Specificity

HIC1 (NP_006488, 396 a.a. ~ 453 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

E~~N/A

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

HIC1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

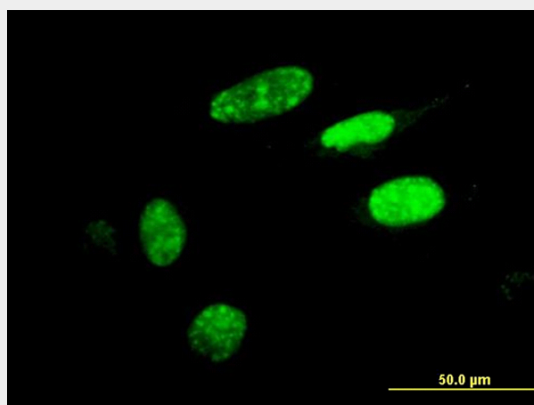
HIC1 Antibody (monoclonal) (M02) - Protocols

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

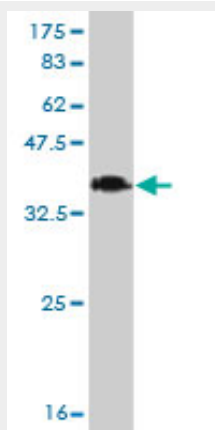
- [Western Blot](#)

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

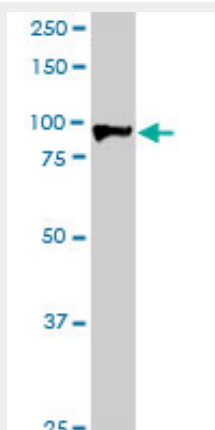
HIC1 Antibody (monoclonal) (M02) - Images



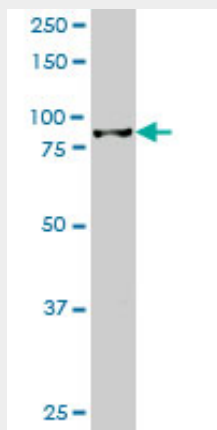
Immunofluorescence of monoclonal antibody to HIC1 on HeLa cell. [antibody concentration 10 ug/ml]



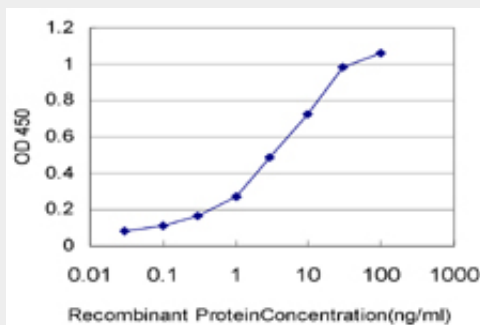
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.38 KDa) .



HIC1 monoclonal antibody (M02), clone 2F9. Western Blot analysis of HIC1 expression in PC-12((Cat # AT2368a)



HIC1 monoclonal antibody (M02), clone 2F9 Western Blot analysis of HIC1 expression in Jurkat (Cat # AT2368a)



Detection limit for recombinant GST tagged HIC1 is approximately 0.1ng/ml as a capture antibody.

HIC1 Antibody (monoclonal) (M02) - Background

This gene functions as a growth regulatory and tumor repressor gene. Hypermethylation or deletion of the region of this gene have been associated with tumors and the contiguous-gene syndrome, Miller-Dieker syndrome. Alternative splicing of this gene results in multiple transcript variants.

HIC1 Antibody (monoclonal) (M02) - References

Gene methylation of SFRP2, P16, DAPK1, HIC1, and MGMT and KRAS mutations in sporadic colorectal cancer. Pehlivan S, et al. Cancer Genet Cytogenet, 2010 Sep. PMID 20682398. Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891. Differential regulation of HIC1 target genes by CtBP and NuRD, via an acetylation/SUMOylation switch, in quiescent versus proliferating cells. Van Rechem C, et al. Mol Cell Biol, 2010 Aug. PMID 20547755. A potential tumor suppressor role for Hic1 in breast cancer through transcriptional repression of ephrin-A1. Zhang W, et al. Oncogene, 2010 Apr 29. PMID 20154726. HIC1 regulates tumor cell responses to endocrine therapies. Zhang B, et al. Mol Endocrinol, 2009 Dec. PMID 19819984.