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HIST1H3D Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant HIST1H3D.
Catalog # AT2374a

Specification

HIST1H3D Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, IHC**
Primary Accession	P68431
Other Accession	NM_003530
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG3 Kappa**
Calculated MW	**15404**

HIST1H3D Antibody (monoclonal) (M01) - Additional Information

Gene ID 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968

Other Names
Histone H31, Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h, Histone H3/i, Histone H3/j, Histone H3/k, Histone H3/l, HIST1H3A, H3FA

Target/Specificity
HIST1H3D (NP_003521, 1 a.a. ~ 60 a.a) partial 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
HIST1H3D Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

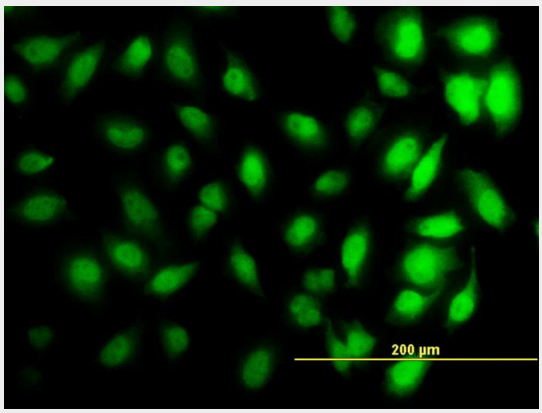
HIST1H3D Antibody (monoclonal) (M01) - Protocols

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

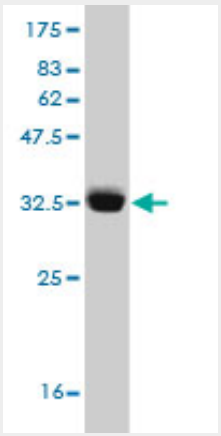
- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

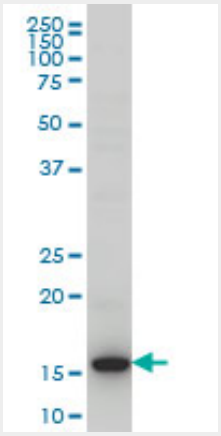
HIST1H3D Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to HIST1H3D on HeLa cell. [antibody concentration 10 ug/ml]



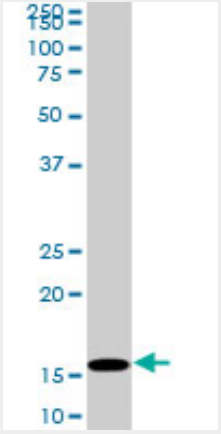
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (32.34 KDa) .



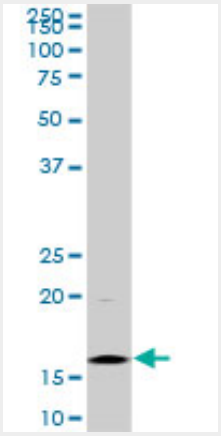
HIST1H3D monoclonal antibody (M01), clone 1D8 Western Blot analysis of HIST1H3D expression

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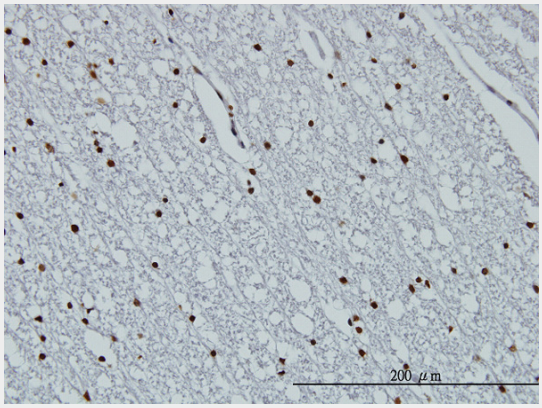
in Hela S3 NE ((Cat # AT2374a)



HIST1H3D monoclonal antibody (M01), clone 1D8. Western Blot analysis of HIST1H3D expression in Raw 264.7 ((Cat # AT2374a)



HIST1H3D monoclonal antibody (M01), clone 1D8. Western Blot analysis of HIST1H3D expression in NIH/3T3 ((Cat # AT2374a)



Immunoperoxidase of monoclonal antibody to HIST1H3D on formalin-fixed paraffin-embedded human lateral ventricle wall. [antibody concentration 3 ug/ml]

HIST1H3D Antibody (monoclonal) (M01) - Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes

and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

HIST1H3D Antibody (monoclonal) (M01) - References

1.Protective Effect of Caffeic Acid on Paclitaxel Induced Anti-Proliferation and Apoptosis of Lung Cancer Cells Involves NF-?eB Pathway.Lin CL, Chen RF, Chen YF, Chu YC, Wang HM, Chou HL, Chang WC, Fong Y, Chang WT, Wu CY, Chiu CC.Int. J. Mol. Sci. 2012, 13, 6236-6245