

## HDAC1 monoclonal antibody

Catalog: MB23132

Host: Mouse

Reactivity: Human, Mouse

### Background:

Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

55.1kDa

### Swiss-Prot:

Q13547

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000  
FC:1/200 - 1/400

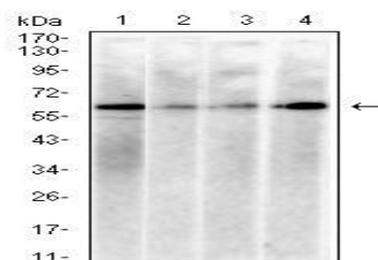
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

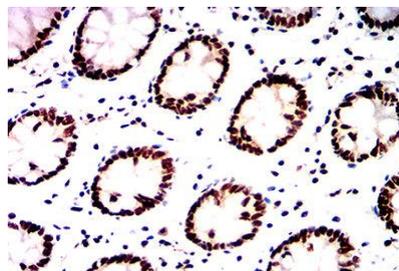
### Isotype:

Mouse IgG1

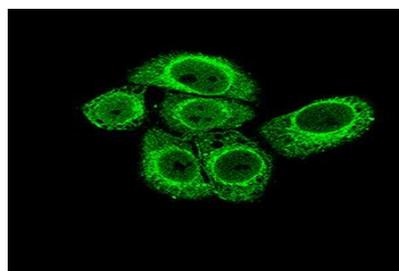
### DATA:



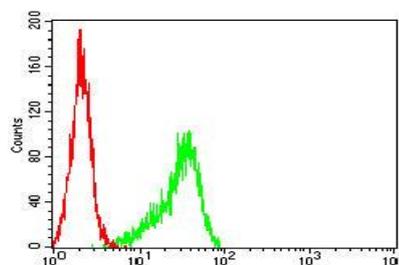
Western blot analysis using HDAC1 mouse mAb against HeLa (1), Raw264.7 (2), K562 (3), and Jurkat (4) cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon tissues using HDAC1 mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using HDAC1 mouse mAb (green). Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of HeLa cells using HDAC1 mouse mAb (green) and negative control (red).

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

Note:

For research use only, not for use in diagnostic procedure.

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