

HDAC1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3625
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human HDAC1 (AA: 321-482) expressed in E. Coli.
Mol wt	55.1kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	HD1;RPD3;KDAC1;GON-10;RPD3L1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

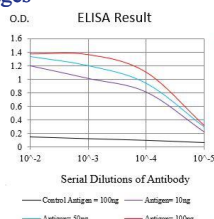
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

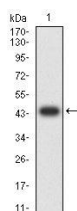
ELISA: 1:10000

Not yet tested in other applications.

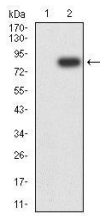
Images



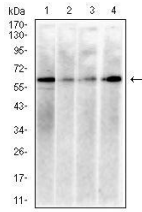
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



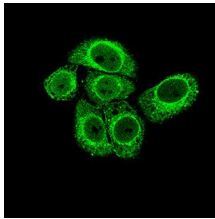
Western blot analysis using HDAC1 mAb against human HDAC1 (AA: 321-482) recombinant protein. (Expected MW is 44.6 kDa)



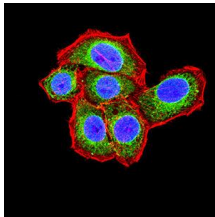
Western blot analysis using HDAC1 mAb against HEK293-6e (1) and HDAC1 (AA: 321-482)-hlgGFc transfected HEK293-6e (2) cell lysate.



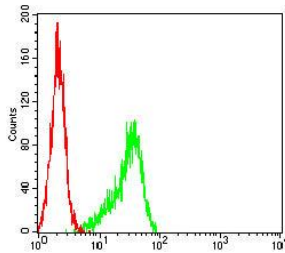
Western blot analysis using HDAC1 mouse mAb against HeLa (1), Raw264.7 (2), K562 (3), and Jurkat (4) cell lysate.



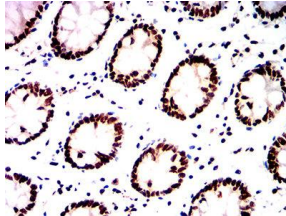
Immunofluorescence analysis of HeLa cells using HDAC1 mouse mAb (green). Secondary antibody from Fisher (Cat#: 35503)



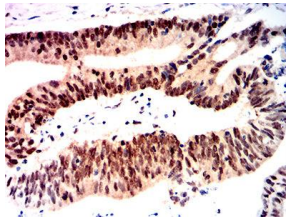
Immunofluorescence analysis of HeLa cells using HDAC1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



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



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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