Product Name: HDAC1 Mouse Monoclonal Antibody
Catalog #: AMM82622
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA,FC
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	55.1kDa

Antigen Information

Gene Name	HDAC1
Alternative Names	HD1; RPD3; KDAC1; GON-10; RPD3L1
Gene ID	3065.0
SwissProt ID	Q13547
Immunogen	Purified recombinant fragment of human HDAC1 (AA: 321-482) expressed in E. Coli.

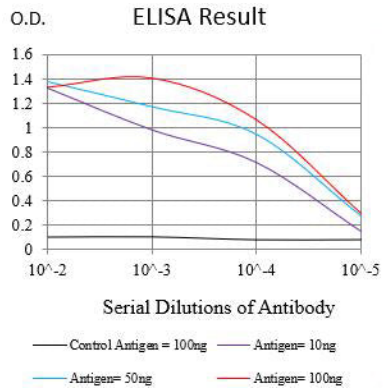
Background

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

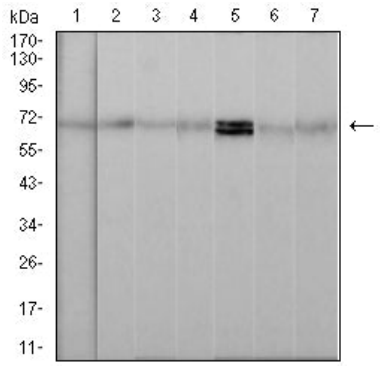
element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis.

Research Area

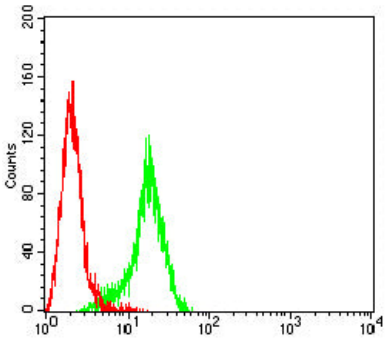
Image Data



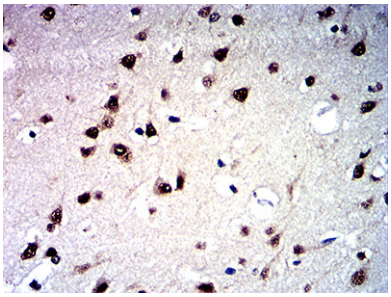
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



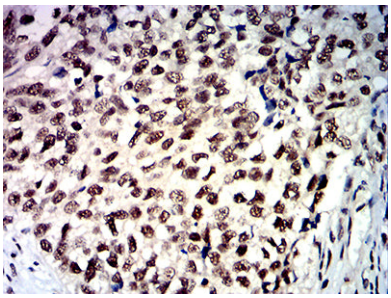
Western blot analysis using HDAC1 mouse mAb against NIH/3T3 (1), Hela (2), Raw264.7 (3), K562 (4), Jurkat (5), C6 (6), and Raji (7) cell lysate.



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



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



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