

HDAC8 Rabbit mAb

Catalog No.: A8865

Recombinant

6 Publications

Basic Information

Observed MW

42kDa

Calculated MW

42kDa

Category

Primary antibody

Applications

IHC-P, IF/ICC, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC1331

Background

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class I of the histone deacetylase family. It catalyzes the deacetylation of lysine residues in the histone N-terminal tails and represses transcription in large multiprotein complexes with transcriptional co-repressors. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

IHC-P 1:100 - 1:1000**IF/ICC** 1:100 - 1:1000**IP** 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Immunogen Information

Gene ID

55869

Swiss Prot

Q9BY41

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

HD8; WTS; RPD3; CDA07; CDLS5; KDAC8; MRXS6; HDACL1; C8

Product Information

Source

Rabbit

Isotype

IgG

Purification

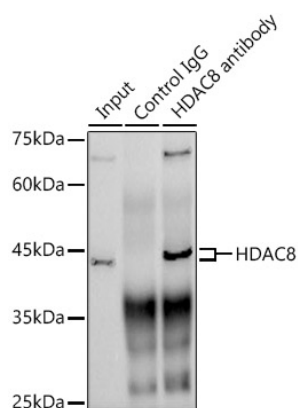
Affinity purification

Storage

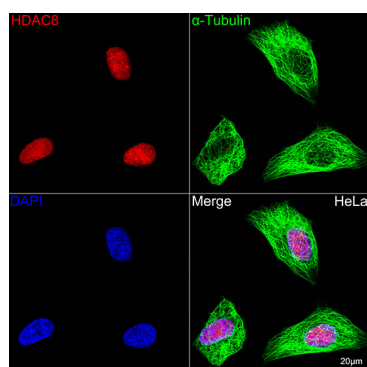
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

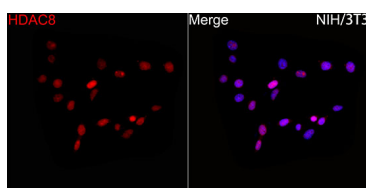
Validation Data



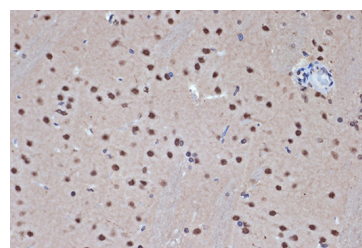
Immunoprecipitation analysis of 300 µg extracts from HeLa cells using 3 µg HDAC8 antibody (A8865). Western blot was performed from the immunoprecipitate using HDAC8 antibody (A8865) at a dilution of 1:1000.



Confocal imaging of HeLa cells using HDAC8 Rabbit mAb (A8865, dilution 1:100) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunofluorescence analysis of NIH/3T3 cells using HDAC8 Rabbit mAb (A8865) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using HDAC8 Rabbit mAb (A8865) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.