

[KD Validated] HDAC1 Rabbit pAb

Catalog No.: A0238

21 Publications

Basic Information

Observed MW

62 kDa

Calculated MW

55 kDa

Category

Primary antibody

Applications

WB, IP, IF/ICC, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

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 Dilutions

WB 1:500 - 1:5000**IP** 0.5 µg - 4 µg antibody for
200 µg-400 µg extracts
of whole cells**IF/ICC** 1:50 - 1:200**IHC-P** 1:50 - 1:200**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID

3065

Swiss Prot

Q13547

Immunogen

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

Synonyms

HD1; RPD3; KDAC1; GON-10; RPD3L1; C1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

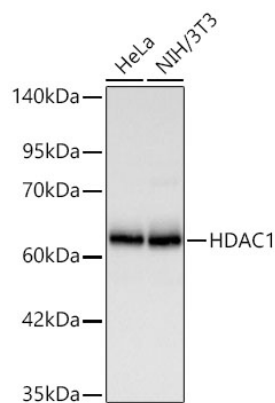
Store at -20°C. Avoid freeze / thaw cycles.

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

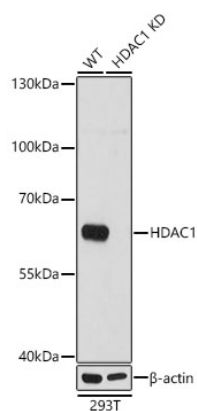
Contact

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

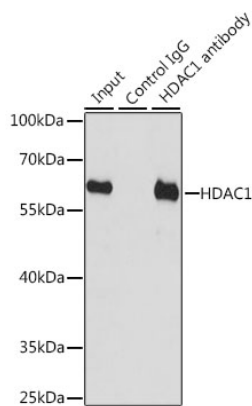
Validation Data



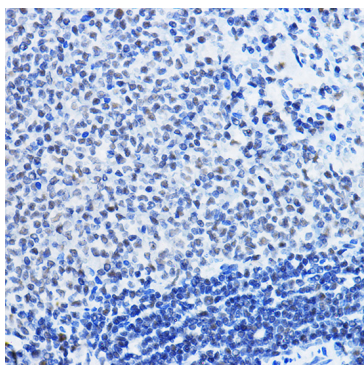
Western blot analysis of various lysates using [KD Validated] HDAC1 Rabbit pAb (A0238) at 1:2000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020)
Exposure time: 20 s.



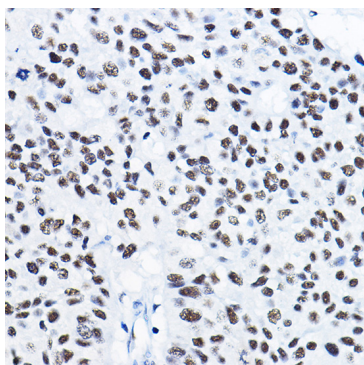
Western blot analysis of lysates from wild type (WT) and HDAC1 knockdown (KD) 293T cells, using [KD Validated] HDAC1 Rabbit pAb (A0238) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



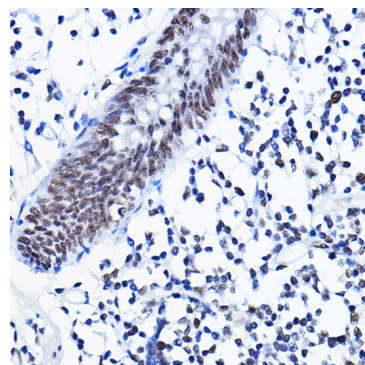
Immunoprecipitation analysis of 200 µg extracts of HT-29 cells, using 3 µg [KD Validated] HDAC1 Rabbit pAb (A0238). Western blot was performed from the immunoprecipitate using HDAC1 antibody (A0238) at a dilution of 1:1000.



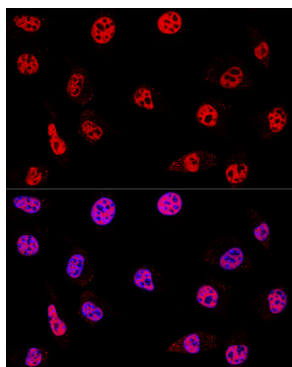
Immunohistochemistry analysis of paraffin-embedded Rat spleen using [KD Validated] HDAC1 Rabbit pAb (A0238) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



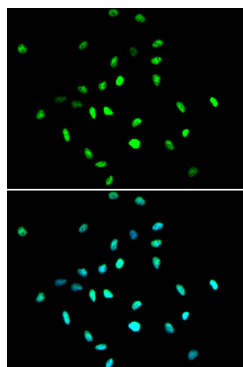
Immunohistochemistry analysis of paraffin-embedded Human lung cancer using [KD Validated] HDAC1 Rabbit pAb (A0238) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon using [KD Validated] HDAC1 Rabbit pAb (A0238) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Confocal immunofluorescence analysis of L929 cells using [KD Validated] HDAC1 Rabbit pAb (A0238) at dilution of 1:200. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of A549 cells using [KD Validated] HDAC1 Rabbit pAb (A0238). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.