

HDAC4 Rabbit mAb

Catalog No.: A29441 **Recombinant**

Basic Information

Observed MW

140 kDa

Calculated MW

106 kDa/119 kDa

Category

Primary antibody

Applications

WB, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC4244

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 II of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3.

Recommended Dilutions

WB 1:3000 - 1:15000**IP** 0.5 µg - 4 µg antibody for
400 µg - 600 µg extracts of
whole cells**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Contact

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

Immunogen Information

Gene ID

9759

Swiss Prot

P56524

Immunogen

This information is considered to be commercially sensitive.

Synonyms

HD4; AHO3; BDMR; HDACA; HA6116; HDAC-4; HDAC-A; NEDCHF; NEDCHID

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

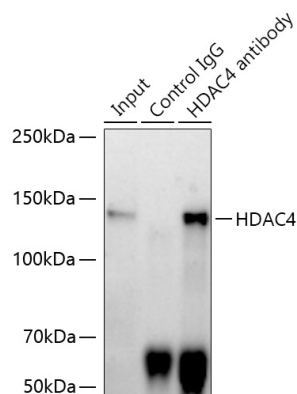
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

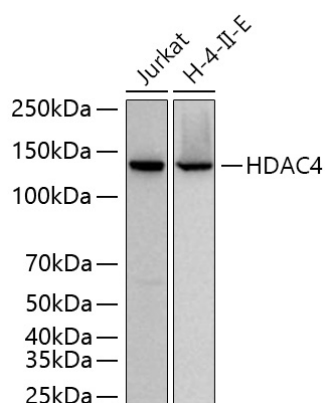


www.abclonal.com.cn

Validation Data



Immunoprecipitation of HDAC4 from 600 µg extracts of RAW 264.7 cells was performed using 2 µg of HDAC4 Rabbit mAb (A29441). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using HDAC4 Rabbit mAb (A29441) at a dilution of 1:3000.



Western blot analysis of various lysates using HDAC4 Rabbit mAb (A29441) at 1:15000 dilution incubated overnight at 4°C.

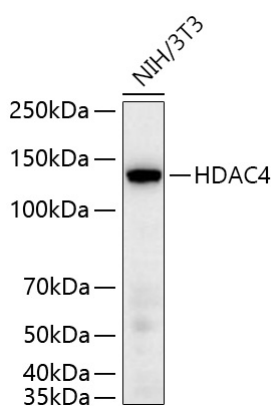
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90 s.



Western blot analysis of lysates from NIH/3T3 cells using HDAC4 Rabbit mAb (A29441) at 1:7000 dilution incubated overnight at 4°C.

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: 45 s.