# [KD Validated] HDAC3 Rabbit mAb

ABclonal

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Catalog No.: A19537 Recombinant 10 Publications

## **Basic Information**

### **Observed MW**

49kDa

#### **Calculated MW**

49kDa

### Category

Primary antibody

### **Applications**

WB,IP,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

ARC0016

# **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 the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene.

# **Recommended Dilutions**

**WB** 1:1000 - 1:2000

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.

# Immunogen Information

**Gene ID Swiss Prot** 8841 015379

### **Immunogen**

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

# **Synonyms**

HD3; RPD3; KDAC3; RPD3-2; HDAC3

# **Contact**

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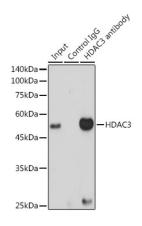
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

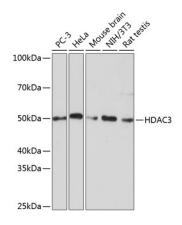
#### Storage

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.



Immunoprecipitation of HDAC3 from 300  $\mu g$  extracts of HeLa cells was performed using 3  $\mu g$  of [KD Validated] HDAC3 Rabbit mAb (A19537). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1x reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KD Validated] HDAC3 Rabbit mAb (A19537) at a dilution of 1:1000.



Western blot analysis of various lysates using [KD Validated] HDAC3 Rabbit mAb (A19537) at 1:1000 dilution incubated overnight at  $4^{\circ}$ C.

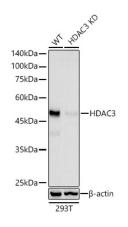
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1min.



Western blot analysis of lysates from wild type (WT) and HDAC3 knockdown (KD) 293T cells using [KD Validated] HDAC3 Rabbit mAb (A19537) at 1:1000 dilution incubated overnight at  $4^{\circ}$ 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: 30s.