

# HDAC6 Rabbit mAb

Catalog No.: A3572 **Recombinant** **2 Publications**

## Basic Information

### Observed MW

160kDa

### Calculated MW

131kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IP,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC0805

## 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/alpha family. It contains an internal duplication of two catalytic domains which appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription.

## Recommended Dilutions

**WB** 1:1000 - 1:6000

**IHC-P** 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.

## Immunogen Information

### Gene ID

10013

### Swiss Prot

Q9UBN7

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human HDAC6 (Q9UBN7).

### Synonyms

HD6; JM21; CPBHM; PPP1R90; HDAC6

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

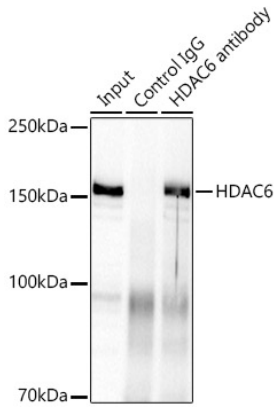
Affinity purification

### Storage

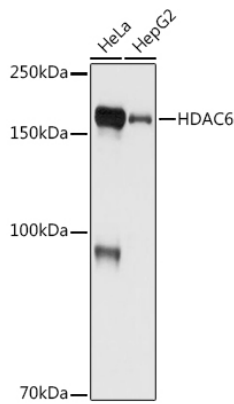
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

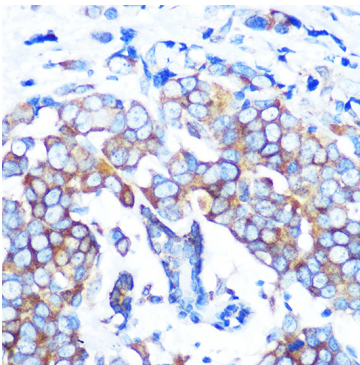
## Validation Data



Immunoprecipitation analysis of 300  $\mu$ g extracts of HeLa cells using 3  $\mu$ g HDAC6 antibody (A3572). Western blot was performed from the immunoprecipitate using HDAC6 antibody (A3572) at a dilution of 1:1000.



Western blot analysis of various lysates using HDAC6 Rabbit mAb (A3572) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using HDAC6 Rabbit mAb (A3572) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.