

A0421

Leader in Biomolecular Solutions for Life Science



# HDAC1 Mouse mAb

Catalog No.: A0421

## Basic Information

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### Observed MW

60kDa

### Calculated MW

55kDa

### Category

Monoclonal Antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human

## Background

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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

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**WB** 1:200 - 1:2000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

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### Gene ID

3065

### Swiss Prot

Q13547

### Immunogen

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

### Synonyms

HD1; RPD3; KDAC1; GON-10; RPD3L1; HDAC1

## Contact

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 [www.abclonal.com](http://www.abclonal.com)

## Product Information

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### Source

Mouse

### Isotype

IgG

### Purification

Affinity purification

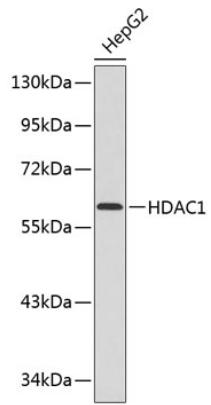
### Storage

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,pH7.3.

## Validation Data

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Western blot analysis of lysates from HepG2 cells, using HDAC1 Mouse mAb (A0421).  
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.