

#T40107

# HDAC1 Antibody

- 50 µl
- 100 µl
- 200 µl

## DESCRIPTION

Histone deacetylase 1 (HDAC1) is an enzyme that in humans is encoded by the HDAC1 gene. Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by the HDAC1 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 MTA2, it deacetylates p53 and modulates its effect on cell growth and apoptosis.

## SOURCE

This Abmart monoclonal antibody is produced by immunizing animals with a polypeptide (Abmart SEAL mAb technology) corresponding to HDAC1 protein.

## STORAGE

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## ALIASES

HD1, HDAC1, RPD3L1

## REACTIVITY

Human, Mouse, Rat

## ISOTYPE

Rabbit IgG

## PREDICTED MOLECULAR WEIGHT

55 kDa

## RECOMMEND ANTIBODY DILUTIONS

Western blotting 1:1000-1:2000

**\*For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking overnight.**

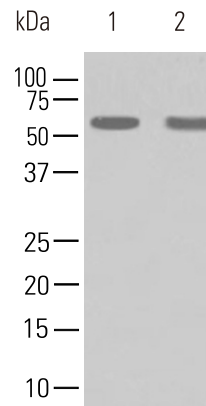
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Orders ■ 400-6123-828

orders@ab-mart.com

Web ■ www.ab-mart.com.cn

## APPLICATION DATA



Western blot-Anti-HDAC1 Antibody (#T40107)

**All lanes :** HDAC1 Antibody

**Lane 1 :** C6 cell lysate

**Lane 2 :** NIH/3T3 cell lysate

## Secondary

Goat Anti-Rabbit IgG-HRP, 5% skim milk conjugated at 1/10000 dilution

**Predicted band size :** 55 kDa

**Observed band size :** 55 kDa  
Blocking/Dilution buffer : 1× PBS.

**Applications Key:** WB—Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence

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For *in vitro* research use only and not intended for use in humans or animals.