



COSMO BIO CO., LTD.  
Inspiration for Life Science

## Cosmo Bio Co., Ltd

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## Catalog No. CBX00631

Mouse monoclonal antibody

Anti-Human HDAC1

### ■ Formulation

Mouse monoclonal anti-human HDAC1 antibody in PBS (3.0 mM KCl, 1.5 mM KH<sub>2</sub>PO<sub>4</sub>, 140 mM NaCl, 8.0 mM Na<sub>2</sub>HPO<sub>4</sub> (pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN<sub>3</sub>).

### ■ Antibody concentration

100 µg/ml (1.0 ml)

### ■ Storage

Store at 2-8°C for up to one year.  
We recommend storing at -20°C for long-term storage.  
Avoid repeat freezing and thawing cycles.

### ■ Preparation

This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.

### ■ Sterility

Filtered through a 0.22 µm membrane.

### ■ Applications

WB, Dot Blot

### ■ Disposal

This antibody solution contains sodium azide (NaN<sub>3</sub>) as a preservative. There is a potential hazard that NaN<sub>3</sub> reacts with copper or lead to produce an explosive compound. For safe disposal, the vial has to be washed thoroughly with water.

### ■ Safety warnings and precautions

Caution must be taken to avoid contact with skin or eyes. In such a case, rinse thoroughly at once with water. Do not ingest, inhale, or swallow. Seek medical attention immediately.

Wear appropriate protective clothing such as laboratory overalls, safety glasses and gloves.

It is strongly advised that this product should be handled by people who have been well trained in laboratory techniques and that it is handled with care pursuant to the principles of good laboratory practice.

All chemicals are deemed potentially harmful.

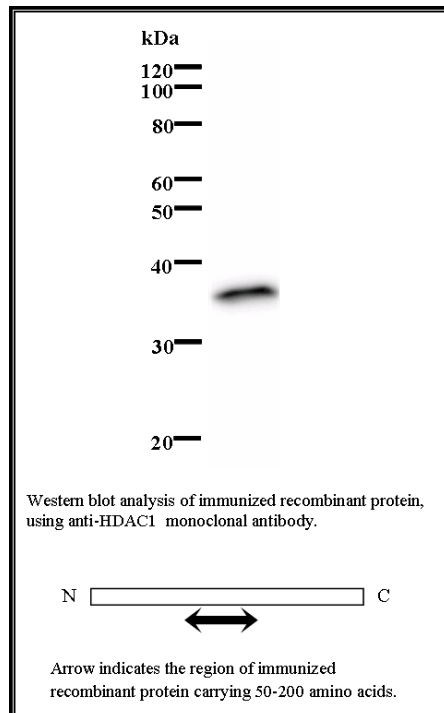
The vial is prone to fall over. Use caution, especially when the lid is off.

Lot No. 730C6a-1

Clone No. 730C6a

Antibody class : IgG1

Immunogen : Recombinant



FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC PROCEDURES.

manufactured by BMR



Catalog No. **CBX00C631**

**Mouse monoclonal antibody**

**Anti-Human HDAC1**

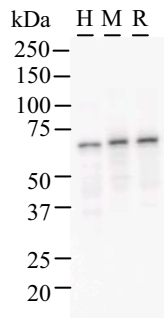
### ■ Background

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/alpha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumorsuppressor 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.[NCBI Entrez Gene Summary]

### ■ Recommended condition

WB: 0.2-2  $\mu$ g/ml

### ■ Application



Detection of HDAC1 by Western blot.

Samples: Whole cell lysate from human HeLa (H, 25  $\mu$ g), mouse NIH3T3 (M, 25  $\mu$ g) and rat F2408 (R, 25  $\mu$ g) cells. [Lot No.730C6a -1]

Predicted molecular weight: 55 kDa