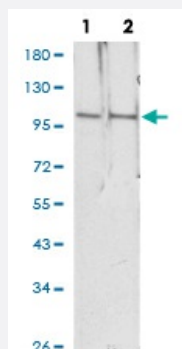


# HDAC4 monoclonal antibody, clone 7B2

Catalog # MAB17694      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of (1) HeLa cell, (2) Jurkat cell with HDAC4 monoclonal antibody.

## Specification

**Product Description** Mouse monoclonal antibody raised against recombinant human HDAC4.

**Immunogen** Recombinant protein corresponding to human HDAC4 from *E. coli*.

**Host** Mouse

**Theoretical MW (kDa)** 119

**Reactivity** Human

**Form** Liquid

**Isotype** IgG1

**Recommend Usage**

- ELISA (1:10000)
- Flow Cytometry
- Immunocytochemistry
- Immunohistochemistry
- Western Blot (1:500-1:2000)
- The optimal working dilution should be determined by the end user.

**Storage Buffer** In ascites (0.03% sodium azide).

**Storage Instruction**

Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

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## Gene Info — HDAC4

**Entrez GeneID**[9759](#)**Gene Name**

HDAC4

**Gene Alias**

HA6116, HD4, HDAC-A, HDACA, KIAA0288

**Gene Description**

histone deacetylase 4

**Omim ID**[605314](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3. [provided by RefSeq]

**Other Designations**

histone deacetylase A

## Disease

- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Craniofacial Abnormalities](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mouth Abnormalities](#)
- [Schizophrenia](#)