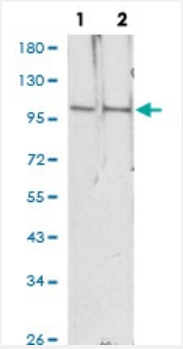
# HDAC4 monoclonal antibody, clone 7B2

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)<br>Flow Cytometry<br>Immunocytochemistry<br>Immunohistochemistry<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In ascites (0.03% sodium azide). |

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| | |
|---|---|
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Western Blot (Cell lysate)

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

## 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 fa ctor access to DNA. The protein encoded by this gene belongs to class II of the histone deacetyla se/acuc/apha family. It possesses histone deacetylase activity and represses transcription when t ethered to a promoter. This protein does not bind DNA directly, but through transcription factors M EF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3. [prov ided by RefSeq |
| **Other Designations** | histone deacetylase A |

## Disease

- Cardiovascular Diseases
- Carotid Stenosis
- Cleft Lip

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- Cleft Palate
- Craniofacial Abnormalities
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Mouth Abnormalities
- Schizophrenia

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