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# HDAC11 Antibody

Rabbit mAb
Catalog # AP90100

## Product Information

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|---|---|
| **Application** | WB, IP |
| **Primary Accession** | Q96DB2 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Other Names** | HDAC11; HD11; Histone deacetylase 11; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 39183 |

## Additional Information

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|---|---|
| **Dilution** | WB 1:1000~1:2000 IP 1:50 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human HDAC11 |
| **Description** | play an important role in the modification of chromatin structure and thus in the suppression and activation of transcription and cellular differentiation. There are 11 members in the HDAC family that are classified into four classes. Class I HDACs represent homologs of the yeast histone deacetylase RPD3, class II HDACs share strong homology with the yeast histone deacetylase HDA1, class III HDAC are closely related to the yeast SIR2 protein, and class IV HDACs comprises Histone deacetylase 11 (HDAC11)-related enzymes. HDAC11 contains 347 amino acid residues. |
| **Storage Condition and Buffer** | 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. |

## Protein Information

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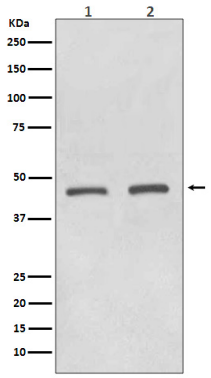
| **Name** | HDAC11 |
| **Function** | Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. |
| **Cellular Location** | Nucleus. |
| **Tissue Location** | Weakly expressed in most tissues. Strongly expressed in brain, heart, skeletal muscle, kidney and testis |

## Images




Western blot analysis of HDAC11 expression in (1) Jurkat cell lysate;(2) MCF7 cell lysate.