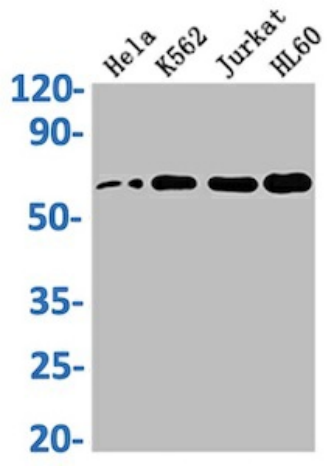
RecomAb™ Sm Size

# HDAC1 recombinant monoclonal antibody, clone 10A1

Catalog # RAB08042 Size 50 uL

## Applications




### Western Blot

Western Blot analysis of
Lane 1: Hela whole cell lysate;
Lane 2: K562 whole cell lysate;
Lane 3: Jurkat whole cell lysate;
Lane 4: HL60 whole cell lysate.

## Specification

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|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human HDAC1. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against recombinant protein corresponding to full length human HDAC1. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity-chromatography |
| **Isotype** | IgG |

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|---|---|
| **Recommend Usage** | ELISA<br>Western Blot (1:500-1:5000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide) |
| **Storage Instruction** | store at -20 °C or -80 °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

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

Western Blot analysis of
Lane 1: Hela whole cell lysate;
Lane 2: K562 whole cell lysate;
Lane 3: Jurkat whole cell lysate;
Lane 4: HL60 whole cell lysate.

## Gene Info — HDAC1

| | |
|---|---|
| **Entrez GeneID** | 3065 |
| **Protein Accession#** | Q13547 |
| **Gene Name** | HDAC1 |
| **Gene Alias** | DKFZp686H12203, GON-10, HD1, RPD3, RPD3L1 |
| **Gene Description** | histone deacetylase 1 |
| **Omim ID** | 601241 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | 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 histon e deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also in teracts with retinoblastoma tumor-suppressor protein and this complex is a key element in the con trol of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deac etylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq |

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|---|---|
| **Other Designations** | OTTHUMP00000008745\|reduced potassium dependency, yeast homolog-like 1 |

## Pathway

- Cell cycle
- Chronic myeloid leukemia
- Notch signaling pathway
- Pathways in cancer

## Disease

- Asthma
- Cognition Disorders
- Genetic Predisposition to Disease
- Huntington disease
- Mental Status Schedule
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Tobacco Use Disorder

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