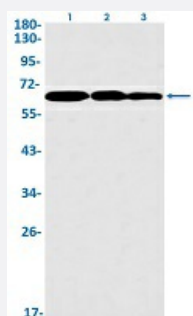


RecomAb™

# HDAC2 recombinant monoclonal antibody, clone R06-4E4

Catalog # RAB02231      Size 100 uL

## Applications



### Western Blot

Western Blot analysis of Lane 1: K562, Lane 2: C6 and Lane 3: 3T3 lysates with HDAC2 recombinant monoclonal antibody, clone R06-4E4 (Cat # RAB02231).

## Specification

|                             |                                                                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit recombinant monoclonal antibody raised against human HDAC2.                                                                                                                                    |
| <b>Antibody Species</b>     | Rabbit                                                                                                                                                                                                |
| <b>Immunogen</b>            | Original antibody is raised against recombinant protein corresponding to human HDAC2.                                                                                                                 |
| <b>Theoretical MW (kDa)</b> | Calculated MW: 55 kD                                                                                                                                                                                  |
| <b>Reactivity</b>           | Human, Mouse, Rat                                                                                                                                                                                     |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                |
| <b>Purification</b>         | Affinity purification                                                                                                                                                                                 |
| <b>Isotype</b>              | IgG                                                                                                                                                                                                   |
| <b>Recommend Usage</b>      | Immunofluorescence(1:50-1:200)<br>Immunohistochemistry (1:50-1:100)<br>Immunoprecipitation(1:20)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)                            |
| Storage Instruction | Store at -20 °C.<br>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

Western Blot analysis of Lane 1: K562, Lane 2: C6 and Lane 3: 3T3 lysates with HDAC2 recombinant monoclonal antibody, clone R06-4E4 (Cat # RAB02231).

- Immunohistochemistry

- Immunofluorescence

- Immunoprecipitation

## Gene Info — HDAC2

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">3066</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protein Accession# | <a href="#">Q92769</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Name          | HDAC2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias         | RPD3, YAF1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Description   | histone deacetylase 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Omim ID            | <a href="#">605164</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Summary       | This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes and are responsible for the deacetylation of lysine residues on the N-terminal region of the core histones (H2A, H2B, H3 and H4). This protein also forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus it plays an important role in transcriptional regulation, cell cycle progression and developmental events. [provided by RefSeq] |
| Other Designations | OTTHUMP00000040427 YY1-associated factor 1 transcriptional regulator homolog RPD3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Pathway

- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Notch signaling pathway](#)
- [Pathways in cancer](#)

## Disease

- [ACTH-Secreting Pituitary Adenoma](#)
- [Adenoma](#)
- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)