

## Mouse HDAC1 Monoclonal Antibody | anti-HDAC1 antibody

HDAC1 (Histone Deacetylase 1, HD1, HD-1, HDAC1, HDAC-1, RPD3, RPD3L1, Reduced Potassium Dependency 3 Like-1) (PE)

|                              |                      |                                        |                                                                                      |
|------------------------------|----------------------|----------------------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA25712</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|------------------------------|----------------------|----------------------------------------|--------------------------------------------------------------------------------------|

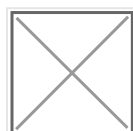
### PRODUCT SYNONYMS

HDAC1; Monoclonal Antibody; HDAC1 (Histone Deacetylase 1; HD1; HD-1; HDAC-1; RPD3; RPD3L1; Reduced Potassium Dependency 3 Like-1) (PE); anti-HDAC1 antibody

### PRODUCT SPECIFICATIONS

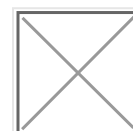
|                                                 |                                                                                                                                                      |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                    |
| Clonality                                       | Monoclonal                                                                                                                                           |
| Isotype                                         | IgG1,k                                                                                                                                               |
| Clone Number                                    | 5C11                                                                                                                                                 |
| Specificity                                     | Recognizes human HDAC1. Species Crossreactivity: mouse and rat.                                                                                      |
| Purity/Purification                             | Purified by Protein A Affinity Chromatography.                                                                                                       |
| Form/Format                                     | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).                                                       |
| Applicable Applications for anti-HDAC1 antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                        |
| Application Notes                               | IF: 10ug/ml<br>Applications are based on unconjugated antibody.                                                                                      |
| Immunogen                                       | Full length recombinant corresponding to aa1-482 from human HDAC1 (AAH00301) with GST tag. MW of the GST tag alone is 26kD.                          |
| Immunogen Sequence                              | MAQTQGTRRKVCYYYDGDVGNYYYQGHPMKPHRIRMTNLLLNYGLYRKMEIYRPHKANAEEMTKYHSDDYIKFLRSIRPDNMSEYSKQMQRFNVGE                                                     |
| Conjugate                                       | PE                                                                                                                                                   |
| Preparation and Storage                         | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo |

### IMAGES



#### IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to HDAC1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3ug/ml]



#### WB (Western Blot)

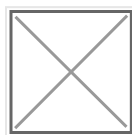
Western Blot analysis of HDAC1 expression in transfected 293T cell line by HDAC1 monoclonal antibody Lane 1: HDAC1 transfected lysate (55.1kD). Lane 2: Non-transfected lysate.

**WB (Western Blot)**

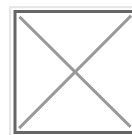
HDAC1 monoclonal antibody Western Blot analysis of HDAC1 expression in NIH/3T3

**WB (Western Blot)**

HDAC1 monoclonal antibody Western Blot analysis of HDAC1 expression in Raw 264.7

**WB (Western Blot)**

HDAC1 monoclonal antibody Western Blot analysis of HDAC1 expression in Hela NE

**WB (Western Blot)**

HDAC1 monoclonal antibody. Western Blot analysis of HDAC1 expression in PC-12

## ADDITIONAL INFORMATION

**Product Categories/Family for anti-HDAC1 antibody**[Antibodies](#); [Enzymes](#); [Deacetylase](#)

## NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | <a href="#">38197109</a>                 |
| NCBI GeneID                      | <a href="#">3065</a>                     |
| Molecular Weight                 | 55,103 Da                                |
| NCBI Official Full Name          | Homo sapiens histone deacetylase 1, mRNA |
| NCBI Official Synonym Full Names | histone deacetylase 1                    |
| NCBI Official Symbol             | HDAC1                                    |
| NCBI Official Synonym Symbols    | HD1; RPD3; GON-10; RPD3L1                |
| NCBI Protein Information         | histone deacetylase 1                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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