

## Histone Deacetylase 1 (HDAC1) Antibody

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| <b>CATALOG #:</b>          | 3601-30T      30 µg (Trial size)   |
|                            | 3601-100      100 µg   |
| <b>HOST:</b>               | Rabbit   |
| <b>IMMUNOGEN:</b>          | Synthetic peptide corresponding to the C-terminus of human HDAC1 (ID# BV-220). |
| <b>SPECIES REACTIVITY:</b> | Human, Mouse, Rat  |

### FORMULATION:

0.5 mg/ml peptide affinity purified rabbit anti-HDAC1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

### STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

### BACKGROUND:

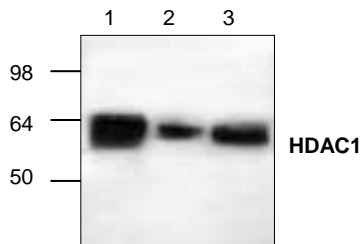
HDAC1 is an active component of transcriptional corepressor complexes which can be recruited to specific promoter regions via transcriptional factors. HDAC1 catalyzes removal of acetyl-groups from acetyl-lysines of histones and promotes compaction of chromatin in these regions, which leads to the inhibition of gene transcription.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml) and immunohistochemistry (5 µg/ml). Based on researcher's feedback, it also works well in Immunoprecipitation (10-20 µg/ml). However, the optimal conditions should be determined individually.

### SPECIFICITY:

The antibody detects the 62 kDa histone deacetylase 1. It does not cross-react with other HDAC proteins including HDAC2, 3, 4, 5, 6, 7, and 8. Blocking peptide (Cat. # 3601BP-50) is available separately.



**Cat. # 3601-100**  
Western blot analysis of HDAC1 expression with lysates from mouse small intestine (Lane 1), Jurkat cells (Lane 2), and rat kidney (Lane 3).

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

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- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
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