

Histone Deacetylase 1 (HDAC1) Antibody

CATALOG #:	3601-30T 30 µg (Trial size)
	3601-100 100 µg
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide corresponding to the C-terminus of human HDAC1 (ID# BV-220).
SPECIES REACTIVITY:	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/thaw cycles.

BACKGROUND:

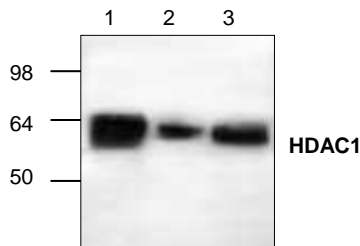
HDAC1 is an active component of transcriptional corepressor complexes which can be recruited to specific promoter regions via transcriptional factors. HDAC1 catalyzes removal of acetyl-groups from acetyl-lysines of histones and promotes compaction of chromatin in these regions, which leads to the inhibition 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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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- 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

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
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Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies