

## Histone Deacetylase 2 (HDAC2) Antibody

<b>CATALOG NO:</b>	3602-30T	30 µg (Trial size)
	3602-100	100 µg
<b>HOST:</b>	Rabbit	
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 479 of human HDAC2 (ID# BV-222).	
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat, Chicken, Hamster, Canine	

### FORMULATION:

0.5 mg/ml affinity purified rabbit anti-HDAC2 polyclonal antibody in PBS, pH 7.2, 30% glycerol, 0.5% BSA, 0.5 mM EDTA and 0.03% proclin

### STORAGE CONDITIONS:

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

### BACKGROUND:

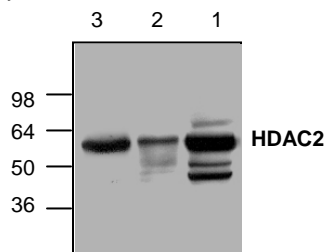
HDAC2 is a class I mammalian histone deacetylase containing 488 amino acid residues with an apparent size of ~55 kDa by denaturing SDS-PAGE. HDAC2 has been shown to interact directly with transcription repressor complexes and the nuclear receptor corepressor N-CoR.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). Based on researchers feedback, the antibody also works well in Immunocytochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually.

### SPECIFICITY:

The antibody detects 55 kDa Histone Deacetylase 2 in samples from human, mouse, rat, chicken, hamster, and canine origins. Blocking peptide (Cat.# 3602BP-50) is available separately.



#### Cat.# 3602-100

Western blot analysis of HDAC2 expression in lysates from Jurkat cells (lane 1), mouse intestine (lane 2) and rat kidney (lane 3).

### 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

#### Cell Fractionation System

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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
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies