

## 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:

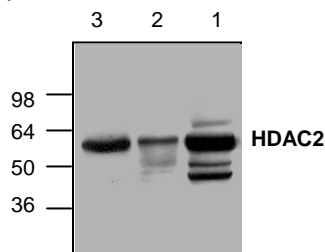
HDAC2 is a class I mammalian histone deacetylase containing 488 amino acid residues with an apparent size of ~55 kDa by denaturing SDS-PAGE. HDAC2 has been shown to interact directly with transcription repressor complexes and the nuclear receptor corepressor N-CoR.

### 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:

- Apoptosis Detection Kits & Reagents
  - Annexin V Kits & Bulk Reagents
  - Caspase Assay Kits & Reagents
  - Mitochondrial Apoptosis Kits & Reagents
  - Nuclear Apoptosis Kits & Reagents
  - Apoptosis Inducers and Set
  - Apoptosis siRNA Vectors
- Cell Fractionation System
  - Mitochondria/Cytosol Fractionation Kit
  - 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
- Signal Transduction
  - cAMP & cGMP Assay Kits
  - Akt & JNK Activity Assay Kits
  - Beta-Secretase Activity Assay Kit
- Adipocyte & Lipid Transfer
  - Recombinant Adiponectin, Survivin, & Leptin
  - CETP Activity Assay & Drug Discovery Kits
  - PLTP Activity Assay & Drug Discovery Kits
  - Total Cholesterol Quantification Kit
- Molecular Biology & Reporter Assays
  - siRNA Vectors
  - Cloning Insert Quick Screening Kit
  - Mitochondrial & Genomic DNA Isolation Kits
  - 5 Minutes DNA Ligation Kit
  - 20 Minutes Gel Staining/Destaining Kit
  - $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit
- Growth Factors and Cytokines
- Monoclonal and Polyclonal Antibodies

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