

## Histone Deacetylase 3 (HDAC3) Polyclonal Antibody

<b>CATALOG #:</b>	3603-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide corresponding to the C-terminus of human HDAC-3 (ID# BV-224).

### FORMULATION:

100 µg (0.2 mg/ml) peptide affinity purified rabbit anti-HDAC3 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

**SPECIES REACTIVITY:** human, mouse, rat, chicken

### STORAGE CONDITIONS:

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

### BACKGROUND:

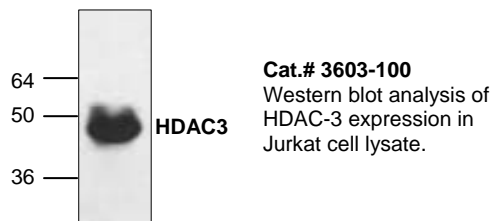
HDAC3 is a member of the class I mammalian histone deacetylase family, which plays an important role in modulating the eukaryotic chromatin structure. Human HDAC3 is composed of 428 amino acid residues. HDAC3 interacts with a growing number of transcriptional factors including SMRT and N-CoR. The interacting complexes bind to specific regions of chromatin and regulate gene transcription in these regions.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). Based on researchers feedback, it can also be used in Immunohistochemistry (20-30 µg/ml). However, the optimal conditions should be determined individually.

### SPECIFICITY:

The antibody detects the 49 kDa HDAC3. It does not cross-react with other HDAC proteins including HDAC1, 2, 4, 5, 6, 7, and 8. Jurkat cell lysate (Cat.# 2401-100) can be used as a positive control. Blocking peptide (Cat.# 3603BP-50) is also available.



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