

Histone Deacetylase 7 (HDAC7) Polyclonal Antibody

CATALOG #:	3607-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 921 of murine HDAC7 (ID# BV-79)
SPECIES REACTIVITY:	human, mouse, rat

FORMULATION:

100 µg (0.2 mg/ml) affinity purified rabbit anti-HDAC7 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:

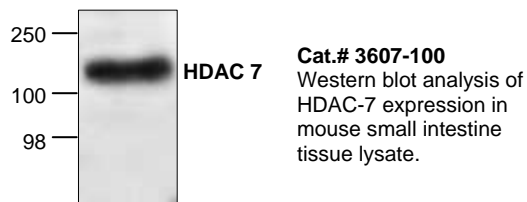
Human HDAC7 is composed of 912 amino acid residues. Although HDAC7 is localized mostly to the cell nucleus, it is also found in the cytoplasm, suggesting nucleo-cytoplasmic shuttling. The histone deacetylase activity of HDAC7 maps to a carboxy-terminal domain and is dependent on interaction with class I HDACs in the nucleus. HDAC7 catalyzes removal of acetyl-groups from acetyl-lysines of histones and promotes compaction of chromatin in these regions, leading to the inhibition of gene transcription.

SPECIFICITY:

The antibody detects ~105 kDa HDAC7. Mouse small intestine tissue lysate (Cat.# 2601-100) can be used as a positive control. Blocking peptide (Cat.# 3607BP-50) is also available.

APPLICATION AND USAGE:

The antibody can be used in Western blotting (0.5-4 µg/ml). Based on researchers feedback, it can also be used in immunoprecipitation (20-40 µg/ml) and Immunohistochemistry (20-40 µg/ml). However, the optimal conditions should be determined individually.

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- Nuclear/Cytosol Fractionation Kit
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- Mammalian Cell Extraction Kit
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