

# BioVision

## HDAC-9 Polyclonal Antibody

Rev. 04/08

For research use only

<b>CATALOG #:</b>	3609-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 25 of human HDAC-9 (ID# BV-71)
<b>SPECIES REACTIVITY:</b>	human, mouse, rat

### FORMULATION:

100 µg (0.2 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 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:

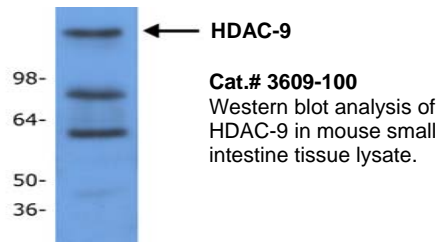
HDAC family members have been divided into two classes. Class I of the HDACs comprises four members, HDAC-1, 2, 3, and 8, each of which contains a deacetylase domain exhibiting from 45 to 93% identity in amino acid sequence. Class II of the HDACs comprises HDAC-4, 5, 6, and 7, the molecular weights of which are all about two-fold larger than those of the class I members, and the deacetylase domains are present within the C-terminal regions, except that HDAC-6 contains two copies of the domain, one within each of the N-terminal and C-terminal regions. Human HDAC-1, 2 and 3 were expressed in various tissues, but the others (HDAC-4, 5, 6, and 7) showed tissue-specific expression patterns.

### SPECIFICITY:

The antibody recognizes a ~110-140 kDa of HDAC-9. A 75 kDa and a 60 kDa bands can also be detected in some tissue lysates. Blocking peptide (Cat.# 3609BP-50) is available separately.

### APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml), Immunoprecipitation and immunofluorescence. However, the optimal concentrations should be determined individually.



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