

Histone Deacetylase 9 (HDAC9) Antibody

CATALOG NO:	3609-30T	30 µg (Trial size)
	3609-100	100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acid 25 of human HDAC9 (ID# BV-71)	
SPECIES REACTIVITY:	Human, Mouse, Rat	

FORMULATION:

0.5 mg/ml in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 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/thaw cycles.

BACKGROUND:

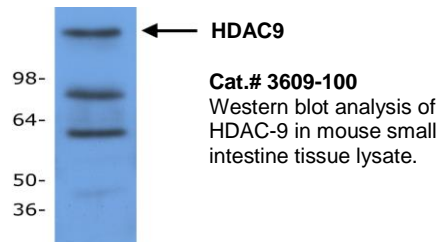
HDAC family members have been divided into two classes. Class I of the HDACs comprises four members, HDAC1, 2, 3, and 8, each of which contains a deacetylase domain exhibiting from 45 to 93% identity in amino acid sequence. Class II of the HDACs comprises HDAC4, 5, 6, and 7, the molecular weights of 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 HDAC6 contains two copies of the domain, one within each of the N-terminal and C-terminal regions. Human HDAC1, 2 and 3 were expressed in various tissues, but the others (HDAC4, 5, 6, and 7) showed tissue-specific expression patterns.

SPECIFICITY:

The antibody recognizes a ~110-140 kDa of HDAC9. 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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