

Product name:	HDAC4 Mouse Monoclonal Antibody
Cat number:	MABN84995
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG2a
Immunogen:	Purified recombinant human HDAC4 protein fragments expressed in E.coli
Reactivity:	Human, Mouse, Rat, Monkey
Applications:	WB 1:500-1:1000, IP 1:20-1:50
Molecular Weight:	Calculated MW: 119 kDa; Observed MW: 140 kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide, 0.5% BSA and 50% glycerol.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D.