

## Basic Information

Catalog Number:	60105-1-Ig	GenBank Accession Number:	BC039904	Purification Method:
Size:	150 µg/ml	GenID (NCBI):	9759	Caprylic Acid/Ammonium Sulfate Precipitation
Source:	Mouse	UNIPROT ID:	P56524	CloneNo.:
Isotype:	IgG1	Full Name:	histone deacetylase 4	4C3B9
		Calculated MW:	119 kDa	

## Applications

Tested Applications:  
ELISA

Species Specificity:  
human

## Background Information

HDAC4, also named as HDACA, belongs to the histone deacetylase family. HDAC4 is 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. HDAC4 is involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D. This antibody is a mouse monoclonal antibody raised against a peptide mapping within human HDAC4.

## Notable Publications

Author	Pubmed ID	Journal	Application
Natalia Sacilotto	27898394	Genes Dev	

## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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## Selected Validation Data