

Histone Deacetylase 1 (HDAC1) Antibody

Catalogue No.:abx034835



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. Deacetylates SP proteins, SP1 and SP3, and regulates their function. Component of the BRG1-RB1-HDAC1 complex, which negatively regulates the CREST-mediated transcription in resting neurons. Upon calcium stimulation, HDAC1 is released from the complex and CREBBP is recruited, which facilitates transcriptional activation. Deacetylates TSHZ3 and regulates its transcriptional repressor activity. Deacetylates 'Lys-310' in RELA and thereby inhibits the transcriptional activity of NF-kappa-B. Component a RCOR/GFI/KDM1A/HDAC complex that suppresses, via histone deacetylase (HDAC) recruitment, a number of genes implicated in multilineage blood cell development.

Target:	Histone Deacetylase 1 (HDAC1)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, WB
Host:	Mouse
Recommended dilutions:	WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified His-tagged HDAC1 protein
lsotype:	IgM Kappa
Form:	Liquid
Purification:	Purified Mouse Monoclonal Antibody.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.



UniProt Primary AC:	Q13547 (<u>UniProt</u> , <u>ExPASy</u>)
NCBI Accession:	NP_004955.2
KEGG:	hsa:3065
String:	<u>9606.ENSP00000362649</u>
Molecular Weight:	Calculated MW: 55.1 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.