

10-6598: Mouse Monoclonal Antibody to HDAC1 (Clone: 1061CT1.3.1)(Discontinued)

Clonality :	Monoclonal
Clone Name :	1061CT1.3.1
Application :	WB
Reactivity :	Human
Gene :	HDAC1
Gene ID :	3065
Uniprot ID :	Q13547
Format :	Purified
Alternative Name :	Histone deacetylase 1, HD1, HDAC1, RPD3L1
Isotype :	Mouse IgM,Kappa
Immunogen Information :	Recombinant Protein

Description

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 CREB-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.

Product Info

Amount :	80 µl / 400 µl
Content :	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.
Storage condition :	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles.

Application Note

WB~1:1000

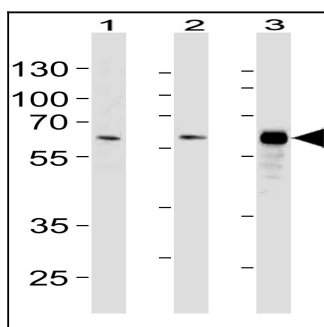


Figure 1: Western blot analysis of HDAC1 Antibody (10-6598) with Lane 1: HeLa, Lane 2: WiDr, Lane 3: Jurkat cell line lysates (35µg/lane). This demonstrates the HDAC1 antibody detected the HDAC1 protein.