SunLong Biotech Co.,LTD
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[Primary Antibody]

Mouse Anti-HDAC3 antibody

Catalog Number: SLM-60265M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG2a/Kappa
Clonality:	Monoclonal
Clone No.:	C12C4
Target:	HDAC3
Purification:	Affinity purified by Protein G
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	Flow-Cyt=1:50-100 ICC/IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	47kDa
Subcellular Location:	The nucleus The cell membrane
Background:	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4) and some other non-histone substrates. Histone deacetylation provides 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. Participates in the BCL6 transcriptional repressor activity by deacetylating H3 'Lys-27' (H3K27) on enhancer elements, antagonizing EP300 acetyltransferase activity and repressing proximal gene expression

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

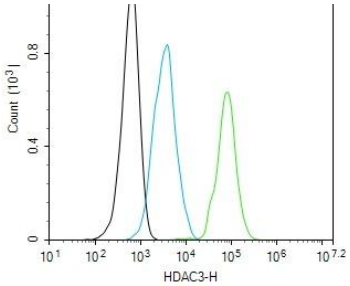


Figure 1. The Hela (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green):Mouse Anti-HDAC3 antibody (SLM-60265M,1:100); Secondary Antibody (white blue): Goat anti-Mouse IgG-FITC (SL60296G-FITC): 1 µg/test. Blank control (black): PBS. Acquisition of 20,000 events was performed

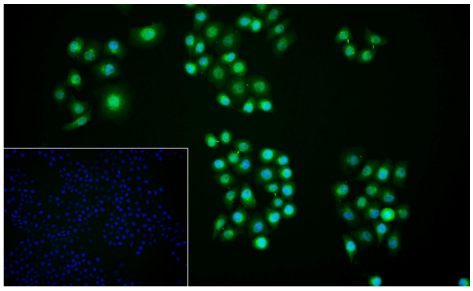


Figure 2. 4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (HDAC3) monoclonal Antibody, unconjugated (SLM-60625M) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, SL60296G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control

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