

Anti-Phospho-Histone H3 (Ser28) Antibody (4M267)

Product Details

Ig Type:	IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4M267
Purification:	Protein G purified

Applications

Verified Activity:	<p>1. Overlay Peak curve showing HeLa cells stained with TMAH-00905 (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.</p> <p>2. Overlay Peak curve showing HepG2 cells stained with TMAH-00905 (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.</p>
Application:	ELISA, FCM

Properties

Purity:	>95%
Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KS(Phospho)APATGGVKKPHRC
Antigen Species:	Human
Gene ID:	8350
Uniprot ID:	P68431
Synonyms:	Histone H3;Histone H3(p-S28);histone cluster 1, H3a;p-Histone H3 (Ser28);Histone H3.1; HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J;Histone H3 (p-Ser28);Phospho-Histone H3(S28);p-Histone H3(S28)
Biology Area:	Epigenetics and Nuclear Signaling

Research Background

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription

A DRUG SCREENING EXPERT

regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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