

Product Data Sheet: Purified anti-phospho-Histone H3 (Ser28) rabbit mAb

Catalog Number:	2046
Clone:	HisH3S28-D6
Isotype:	Rabbit IgG1κ
Immunogen:	A synthetic phospho-peptide corresponding to residues surrounding Ser28 of human phospho Histone H3
Reactivity:	Mouse, Human
Cross Reactivity:	Predicted to work with mouse, rat and other homologues.
Preparation:	Protein A+G
Formulation:	1X PBS, 0.02% NaN ₃ , 50% Glycerol, 0.1% BSA
Applications:	WB, Flow Cytometry
Recommended Usage:	1.0 - 0.1 µg/ml. Optimum concentration should be determined by the user.
Product Configuration:	200 ul (0.5mg/ml, more than 200 western blots)
Detection:	Anti-Rabbit IgG

Description

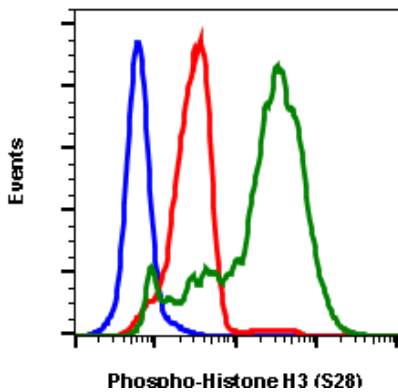
Histone H3 is one of the five main histone proteins involved in chromatin structure modification in eukaryotic cells. Histone proteins are highly post-translationally modified, including acetylation, phosphorylation, methylation and ubiquitination. Phospho histone H3 is the most extensively modified of the five histones. Phospho histone H3 is primarily acetylated at Lys9, 14, 18 and 23. Acetylation of H3 at Lys9 appears to have a dominant role in histone deposition and chromatin assembly in some organisms. Phosphorylation at Ser10, Ser28 and Thr11 of histone H3 is tightly correlated with chromosome condensation during both mitosis and meiosis. The term "Histone H3" alone is purposely ambiguous in that it does not distinguish between sequence variants or modification state.

References

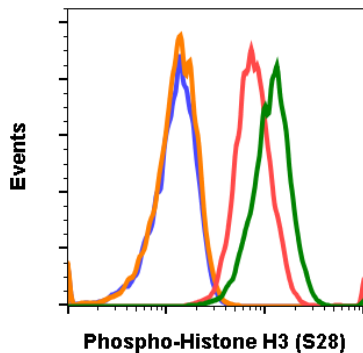
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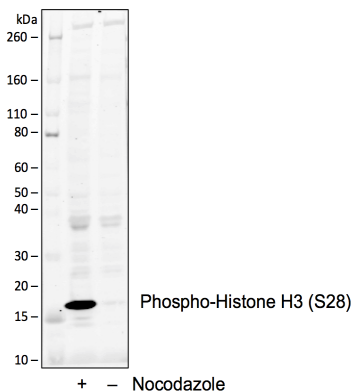
Purified anti-phospho-Histone H3 (Ser28) rabbit mAb Images



Flow cytometric analysis of HeLa, secondary antibody only negative control (blue) or untreated (red) or treated with nocodazole (green) using 0.05 µg/mL Phospho-Histone H3 (Ser28) antibody HisH3S28-D6. Cat. #2046.



Flow cytometric analysis of NIH3T3 cells, secondary antibody only negative control (blue) or 0.1 µg/mL of isotype control Cat. #2141 (orange), or untreated (red) or treated with UV and PMA (green) using Phospho-Histone H3 (Ser28) antibody HisH3S28-D6 at 0.1µg/mL. Cat #2046.



Western blot analysis of HeLa cell extract, untreated or synchronized in metaphase by treatment with 0.4 µg/mL of nocodazole for 6 hr, then metaphase cells were isolated by mitotic shake-off, using Phospho-Histone H3 (Ser28) antibody at 1 ng/mL AWBH3S28-D6. Cat. #2046.