

Product Datasheet

Histone H3 (10A10) Mouse mAb

Catalog No: AB3554

Reactivity: Human, Mouse, Rat

Isotype: Mouse IgG1

Applications: WB, IP



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Information

UniProt ID: P68431

All Names: H3 histone; family 3A; H3 histone; family 3B (H3.3B); H3.3A; H3.3B; H33; H3F3; H3F3A; H3F3B; Histone H3.3

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 15kDa

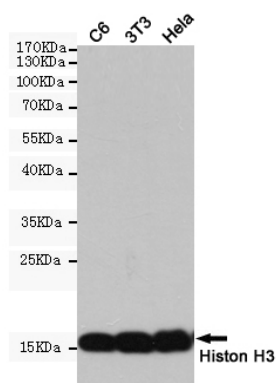
Application

WB: 1/500-1/1000

IP: 1/20

Background

Swiss-Prot Acc.P68431. 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 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. Miscellaneous This histone is only present in mammals and is enriched in acetylation of Lys-15 and dimethylation of Lys-10 (H3K9me2).



Western blot analysis of Histone H3 (10A10) in C6, 3T3, HeLa lysates using Histone H3 (10A10) antibody.

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