

Product Datasheet

Acetyl-Histone H3 (Lys9) (10F10) Mouse mAb

Catalog No: AB3592

Reactivity: Human, Mouse, Rat

Isotype: Mouse IgG1

Applications: IHC



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Information

UniProt ID: P68431

All Names: H3K9ac; H3/j; H3C1; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FJ; H3C10; H3C11; HIST1H3J

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

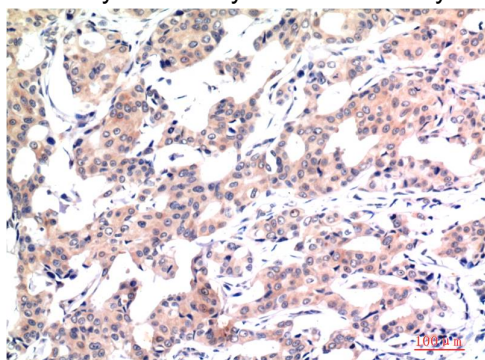
Molecular Wt.: 15kDa

Application

IHC: 1/50-1/100

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



Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma Tissue using AcetylHistone H3 (Lys9) (10F10) antibody.

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