

Product Datasheet

Histone H3 (6G2) Mouse mAb

Catalog No: AB0062

Reactivity: Human, Mouse, Rat, Yeast

Isotype: Mouse IgG1

Applications: WB, IHC, ICC/IF, IP



www.abways.com

Information

UniProt ID: P68431

All Names: H3 histone; HIST1H3A; Histone cluster 1; H3a

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: Recombinant Protein of Histone H3

Molecular Wt.: 34 kDa

Application

WB: 1/1000-1/10000

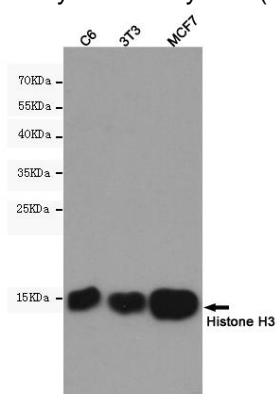
IHC: 1/50-1/200

ICC/IF: 1/100-1/200

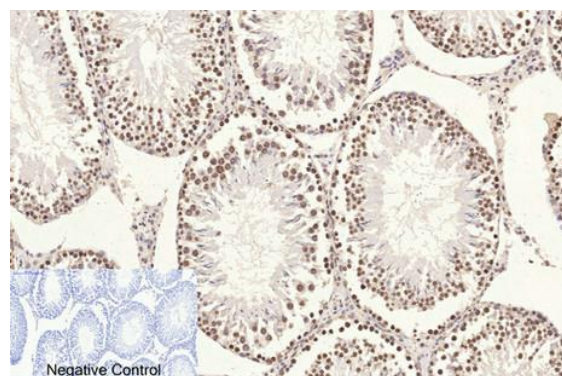
IP: 1/20

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 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).



Western blot analysis of Histone H3 (6G2) in C6, 3T3 and MCF7 lysates using Histone H3 antibody.



Immunohistochemistry analysis of paraffin-embedded Rattestis tissue using Histone H3 antibody.

For Research Use Only. Not For Use In Diagnostic Procedures.

www.abways.com