

Product Datasheet

Histone H3 Antibody

Catalog No: AY0585

Reactivity: Human, Mouse, Rat

Isotype: Rabbit IgG

Applications: WB, IHC



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Information

UniProt ID: P68431

All Names: H3/a; H3/c; H3/d; H3/f; H3/h; H3/i; H3/j; H3/k; H3/l; H31; HIST1H3A; histone H3.1

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.: 15 kDa

Application

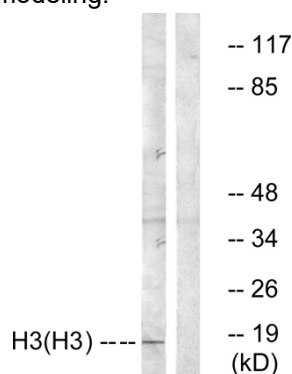
WB: 1:500~1:3000

IHC: 1:50~1:100

ELISA: 1:5000

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.



Western blot analysis of extracts from A549 cells, using Histone H3 antibody.

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