

Product Datasheet

Histone H3 (mono+di+tri methyl K79) Antibody



Catalog No: CY5483

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC

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Information

UniProt ID: P68431

All Names: HIST1H3J; H3/j ;H3FJ ; Histone H3.1; Histone H3/a; Histone H3/b;Histone H3/c; Histone H3/d; Histone H3/f;Histone H3/h ; Histone H3/l;HistoneH3/j ;Histone H3/k; Histone H3/l;HIST3H3;

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

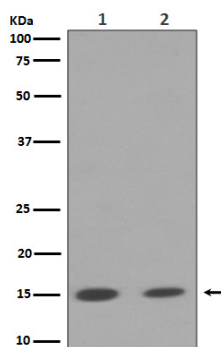
Application

WB: 1:500~1:1000

IHC: 1:1000~1:2000

Background

H3 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. The nucleosome is a histone octamer containing two molecules each of H2A, H2B, H3 and H4 assembled in one H3-H4 heterotetramer and two H2A-H2B heterodimers.



Western blot analysis of Histone H3 (mono+di+tri methyl K79) expression in (1) NIH/3T3 cell lysate; (2) A549 cell lysate.

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