

## Product Datasheet

# Methyl-Histone H3 (di K4) Antibody

Catalog No: CY5123

Reactivity: Human, Mouse, Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP FC ChIP



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### Information

**UniProt ID:** P68431

**All Names:** Histone H3.1, Histone H3, HIST1H3A

**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:** Synthesized peptide

**Molecular Wt.:** 15kDa

### Application

WB: 1:1000~1:2000

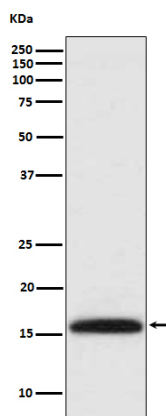
IHC: 1:50~1:200

ICC/IF: 1:50~1:200

IP: 1:50

### Application

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 Methyl-Histone H3 (di K4) expression in HeLa cell lysate.

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