

# Acetyl-HIST1H1E (K51) Antibody



PAC056594

## Product Information

**Size:**

50ul

**Protein Background:**

Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation.

**Reactivity:**

Human

**Source:**

Rabbit

**Gene ID:**

HIST1H1E

**Isotype:**

IgG

**Uniprot**

P10412

**Applications:**

ELISA, ICC, IF, ChIP

**Synonyms:**

Histone H1.4 (Histone H1b) (Histone H1s-4), HIST1H1E, H1F4

**Recommended dilutions:**

ELISA:1:2000-1:10000, ICC:1:20-1:200,  
IF:1:50-1:200

**Immunogen:**

Peptide sequence around site of Acetyl-Lys (51) derived from Human Histone H1.4.

**Storage:**

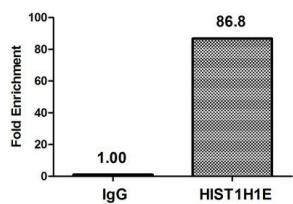
Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

## Product Images

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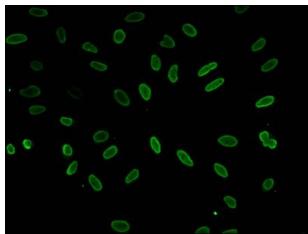


Immunocytochemistry analysis of HeLa cells using PACO56594 at dilution of 1:100.



Chromatin Immunoprecipitation Hela ( $4 \times 10^6$

, treated with 30mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5 $\mu$ g anti-HIST1H1E (PACO56594) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the beta -Globin promoter.



Immunofluorescent analysis of HeLa cells (sodium butyrate, 30 mM, 4h) using PACO56594 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).