

# Crotonyl-HIST1H2AG (K125) Antibody



PACO59672

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## Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, IF, ChIP

**Recommended dilutions:**

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

**Protein 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.

**Gene ID:**

HIST1H2AG

**Uniprot**

POC0S8

**Synonyms:**

Histone H2A type 1 (H2A.1) (Histone H2A/ptl), HIST1H2AG; HIST1H2AI; HIST1H2AK; HIST1H2AL; HIST1H2AM, H2AFP; H2AFC; H2AFD; H2AFI; H2AFN

**Immunogen:**

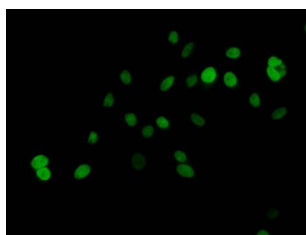
Peptide sequence around site of Crotonyl-Lys (125) derived from Human Histone H2A type 1.

**Storage:**

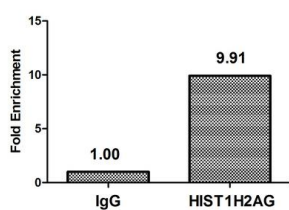
Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

## Product Images

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Immunofluorescent analysis of HeLa cells (treated with 30mM crotonylate for 4h) using PACO59672 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Chromatin Immunoprecipitation HeLa ( $4 \times 10^6$ , treated with 30mM sodium crotonylate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with  $8 \mu\text{g}$  anti-HIST1H2AG (PACO59672) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the beta - Globin promoter.