

Acetyl-HIST1H2AG (K36) Antibody



PACO56634

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, ICC, IF, ChIP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:200-1:2000,
ICC:1:20-1:200, 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 Acetyl-Lys (36) derived from Human Histone H2A type 1.

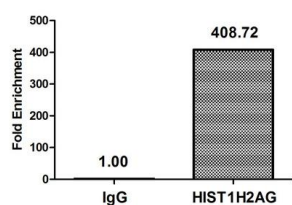
Storage:

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

Product Images

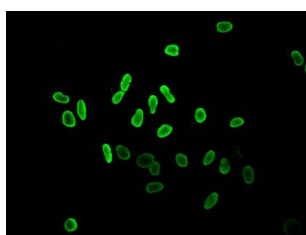


Immunocytochemistry analysis of HeLa cells using PACO56634 at dilution of 1:100.



Chromatin Immunoprecipitation HeLa (4×10^6

, treated with 30mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 8 μ g anti-HIST1H2AG (PACO56634) 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 PACO56634 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).