

HIST1H2AG (Ab-9) Antibody



PACO59670

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, ChIP

Recommended dilutions:**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

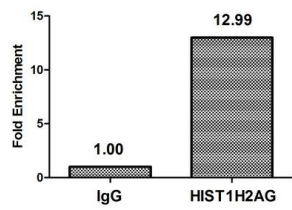
Immunogen:

Peptide sequence around site of Lys (9) derived from Human Histone H2A type 1.

Storage:

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

Product Images



Chromatin Immunoprecipitation HeLa (4×10^6

) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with $5 \mu\text{g}$ anti-HIST1H2AG (PACO59670) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the beta -Globin promoter.