

Acetyl-H2AFZ (K4) Antibody



PACO56669

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, ICC, IF, IP, CHIP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:200-1:2000,
ICC:1:10-1:100, IF:1:10-1:100, IP:1:200-
1:2000,

Protein Background:

Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. 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. May be involved in the formation of constitutive heterochromatin. May be required for chromosome segregation during cell division.

Gene ID:

H2AFZ

Uniprot

P0C0S5

Synonyms:

Histone H2A. Z (H2A/z), H2AFZ, H2AZ

Immunogen:

Peptide sequence around site of Acetyl-Lys (4) derived from Human Histone H2A. Z.

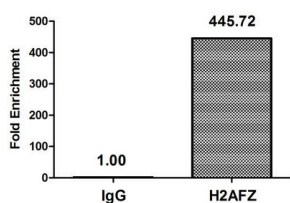
Storage:

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

Product Images

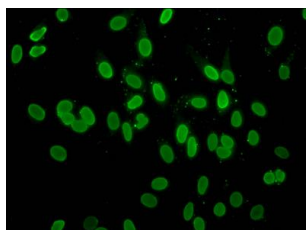


Western Blot. Positive WB detected in: K562 whole cell lysate (treated by 30mM sodium butyrate for 4h). All lanes: H2AFZ antibody at 1.06µg/ml. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 14 kDa. Observed band size: 14 kDa.



Chromatin Immunoprecipitation HeLa (4×10^6)

, treated with 30mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5µg anti-H2AFZ (PACO56669) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the beta -Globin promoter.



Immunofluorescence staining of HeLa cells with PACO56669 at 1:10, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).