

# Acetyl-H2AFZ (K7) Antibody



PACO56672

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## 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:1:20-1:200, IF:1:20-1:200, 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

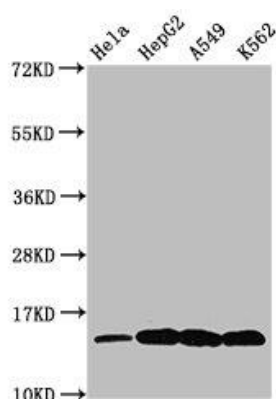
**Immunogen:**

Peptide sequence around site of Acetyl-Lys (7) derived from Human Histone H2A. Z.

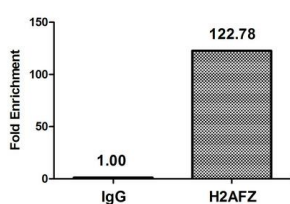
**Storage:**

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

## Product Images

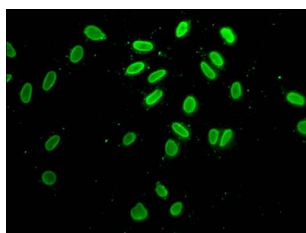


Western Blot. Positive WB detected in: HeLa whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate, K562 whole cell lysate (All treated by 30mM sodium butyrate for 4h). All lanes: H2AFZ antibody at 0.48 $\mu$ g/ml. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 14 kDa. Observed band size: 14 kDa.



Chromatin Immunoprecipitation HeLa ( $4 \times 10^6$ )

, treated with 30mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5 $\mu$ g anti-H2AFZ (PACO56672) 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 PACO56672 at 1:25, 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).