H2AFZ (Ab-4) Antibody

PACO56681

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF, ChIP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:50-1:500, IHC:1:20-1:200, IF:1:1-1:10

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

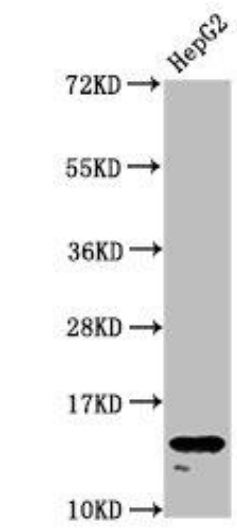
Immunogen:

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

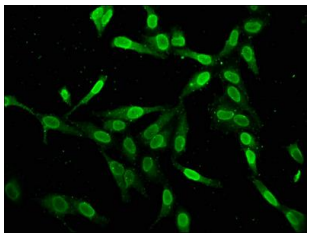
Storage:

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

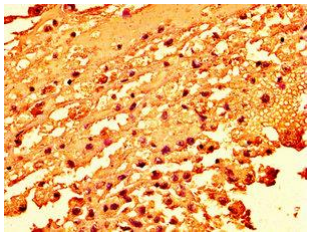
Product Images



Western Blot. Positive WB detected in: HepG2 whole cell lysate. All lanes: H2AFZ antibody at 1.96µg/ml. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 14 kDa. Observed band size: 14 kDa.



Immunofluorescence staining of Hela cells with PACO56681 at 1:2.5, 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-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IHC image of PACO56681 diluted at 1:50 and staining in paraffin-embedded human melanoma performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

