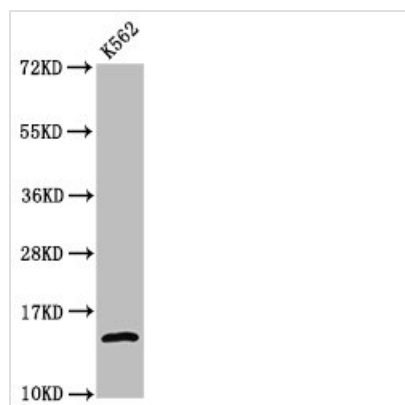




Acetyl-H2AFZ (K4) Antibody

| | |
|----------------------------|---|
| Product Code | CSB-PA010100OA04acHU |
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | P0C0S5 |
| Immunogen | Peptide sequence around site of Acetyl-Lys (4) derived from Human Histone H2A.Z |
| Raised In | Rabbit |
| Species Reactivity | Human |
| Tested Applications | ELISA, WB, ICC, IF, IP, ChIP; Recommended dilution: WB:1:200-1:2000, ICC:1:10-1:100, IF:1:10-1:100, IP:1:200-1:2000 |
| Form | Liquid |
| Conjugate | Non-conjugated |
| Storage Buffer | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Purification Method | Antigen Affinity Purified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Alias | Histone H2A.Z (H2A/z), H2AFZ, H2AZ |
| Immunogen Species | Homo sapiens (Human) |
| Research Area | Epigenetics and Nuclear Signaling |
| Target Names | H2AFZ |

Image



Western Blot

Positive WB detected in: K562 whole cell lysate (treated by 30mM sodium butyrate for 4h)

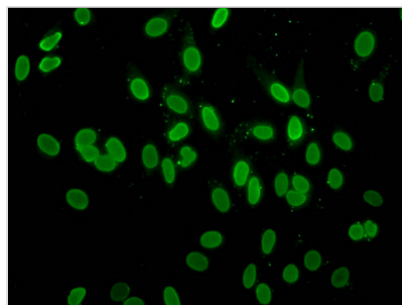
All lanes: H2AFZ antibody at 1.06µg/ml

Secondary

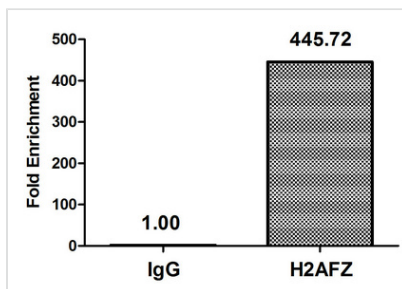
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 14 kDa

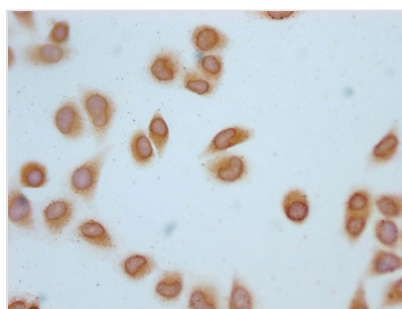
Observed band size: 14 kDa



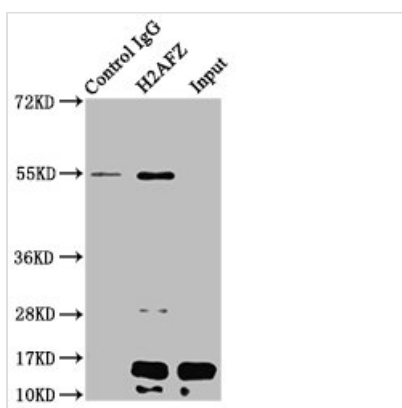
Immunofluorescence staining of HeLa cells with CSB-PA010100OA04acHU at 1:10, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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 (CSB-PA010100OA04acHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β -Globin promoter.



Immunocytochemistry analysis of CSB-PA010100OA04acHU diluted at 1:20 and staining in HeLa cells (treated with 30mM sodium butyrate for 4h) performed on a Leica BondTM system. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and 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.



Immunoprecipitating H2AFZ in HepG2 whole cell lysate (treated with 30mM sodium butyrate for 4h)

Lane 1: Rabbit control IgG instead of CSB-PA010100OA04acHU in HepG2 whole cell lysate (treated with 30mM sodium butyrate for 4h). For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

Lane 2: CSB-PA010100OA04acHU (5µg) + HepG2 whole cell lysate (treated with 30mM sodium butyrate for 4h) (500µg)

Lane 3: HepG2 whole cell lysate (treated with 30mM sodium butyrate for 4h) (20µg)