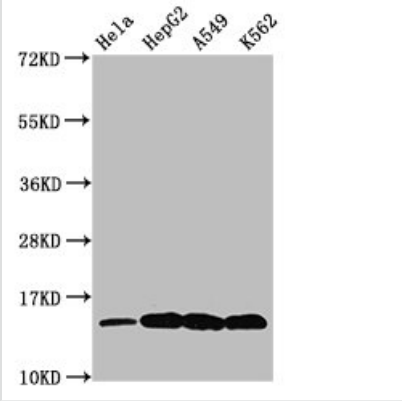
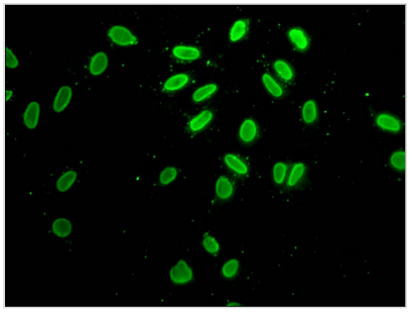
Acetyl-H2AFZ (K7) Antibody

Product Code	CSB-PA010100OA07acHU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P0C0S5
Immunogen	Peptide sequence around site of Acetyl-Lys (7) 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:1:20-1:200, IF:1:20-1:200, 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

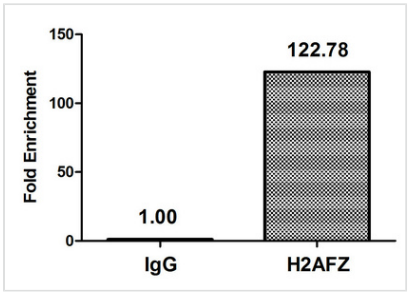
Image



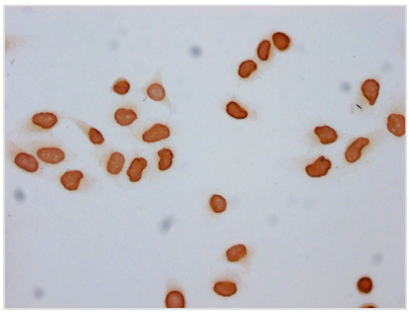
Western Blot
Positive WB detected in: Hela whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate, K562 whole cell lysate (All treated by 30mM sodium butyrate for 4h)
All lanes: H2AFZ antibody at 0.48µg/ml
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 14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



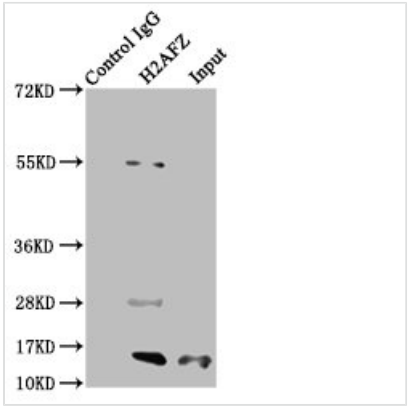
Immunofluorescence staining of Hela cells with CSB-PA010100OA07acHU at 1:25, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated 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-PA010100OA07acHU) 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-PA010100OA07acHU diluted at 1:50 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-PA010100OA07acHU 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-PA010100OA07acHU (3µg) + 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)