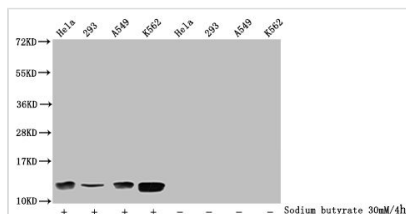




Butyryl-HIST1H4A (K12) Antibody

Product Code	CSB-PA010429OA12butHU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P62805
Immunogen	Peptide sequence around site of Butyryl-Lys (12) derived from Human Histone H4
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, ICC, IF, IP, ChIP; Recommended dilution: WB:1:1000-1:5000, ICC:1:20-1:200, IF:1:50-1:200, 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 H4, HIST1H4A; HIST1H4B; HIST1H4C; HIST1H4D; HIST1H4E; HIST1H4F; HIST1H4H; HIST1H4I; HIST1H4J; HIST1H4K; HIST1H4L; HIST2H4A; HIST2H4B; HIST4H4, H4/A H4FA; H4/I H4FI; H4/G H4FG; H4/B H4FB; H4/J H4FJ; H4/C H4FC; H4/H H4FH; H4/M H4FM; H4/E H4FE; H4/D H4FD; H4/K H4FK; H4/N H4F2 H4FN HIST2H4; H4/O H4FO;
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling
Target Names	HIST1H4A

Image



Western Blot

Detected samples: Hela whole cell lysate, 293 whole cell lysate, A549 whole cell lysate, K562 whole cell lysate; Untreated (-) or treated (+) with 30mM sodium butyrate for 4h

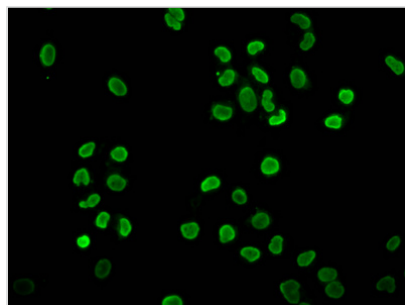
All lanes: HIST1H4A antibody at 1:2000

Secondary

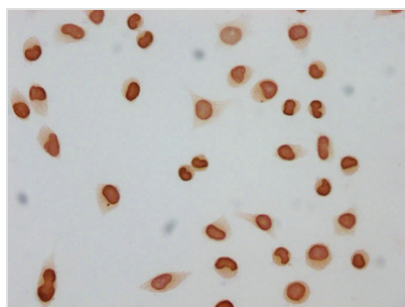
Goat polyclonal to rabbit IgG at 1/40000 dilution

Predicted band size: 12 kDa

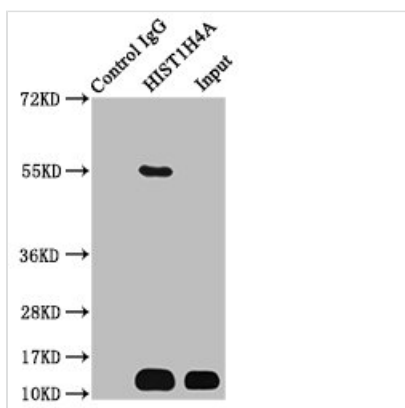
Observed band size: 12 kDa



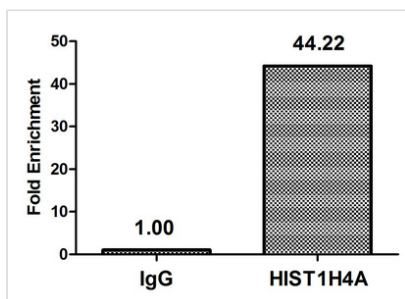
Immunofluorescence staining of HeLa cells (treated with 30mM sodium butyrate for 4h) with CSB-PA010429OA12butHU at 1:75, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunocytochemistry analysis of CSB-PA010429OA12butHU diluted at 1:150 and staining in HeLa cells (treated with 30mM sodium butyrate for 4h) performed on a Leica Bond™ 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 HIST1H4A in HeLa whole cell lysate
 Lane 1: Rabbit control IgG instead of CSB-PA010429OA12butHU in HeLa whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
 Lane 2: CSB-PA010429OA12butHU (3µg) + HeLa whole cell lysate (500µg)
 Lane 3: HeLa whole cell lysate (20µg)



Chromatin Immunoprecipitation HeLa (10^6 , treated with 30mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5µg anti-HIST1H4A (CSB-PA010429OA12butHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β -Globin promoter.

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.