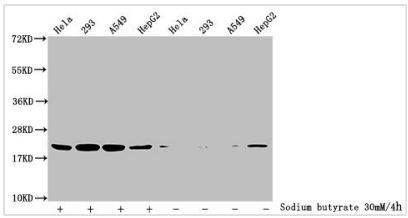
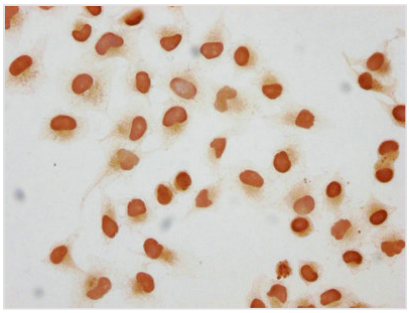
2-hydroxyisobutyryl-HIST1H1C (K109) Antibody

Product Code	CSB-PA010378OA109hibHU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P16403
Immunogen	Peptide sequence around site of 2-hydroxyisobutyryl-Lys (109) derived from Human Histone H1.2
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, ICC, IF, ChIP; Recommended dilution: WB:1:100-1:1000, ICC:1:20-1:200, IF:1:20-1:200
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 H1.2, Histone H1c, Histone H1d, Histone H1s-1, HIST1H1C, H1F2
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling
Target Names	HIST1H1C

Image

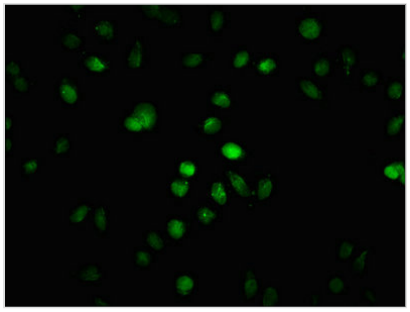


Western Blot
Detected samples: Hela whole cell lysate, 293 whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate; Untreated (-) or treated (+) with 30mM sodium butyrate for 4h
All lanes: HIST1H1C antibody at 3.5µg/ml
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 22 kDa
Observed band size: 22 kDa

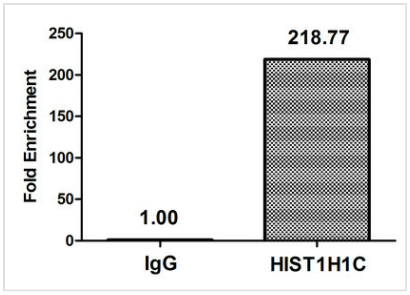


Immunocytochemistry analysis of CSB-PA010378OA109hibHU diluted at 1:50 and staining in Hela cells (treated with 30mM sodium butyrate for 4h) performed on a Leica BondTM system. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked with 10% normal goat serum 30min 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.



Immunofluorescence staining of Hela cells (treated with 30mM sodium butyrate for 4h) with CSB-PA010378OA109hibHU 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-HIST1H1C (CSB-PA010378OA109hibHU) 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.