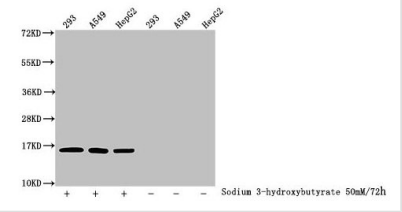
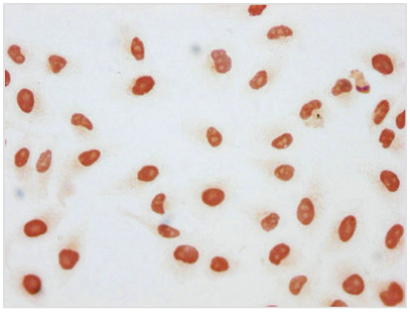
β-hydroxybutyryl-HIST1H3A (K27) Antibody

Product Code	CSB-PA010418OA27bhbHU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P68431
Immunogen	Peptide sequence around site of β-hydroxybutyryl-Lys (27) derived from Human Histone H3.1
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, ICC, ChIP; Recommended dilution: WB:1:100-1:1000, ICC: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
Product Type	Polyclonal Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling
Target Names	HIST1H3A

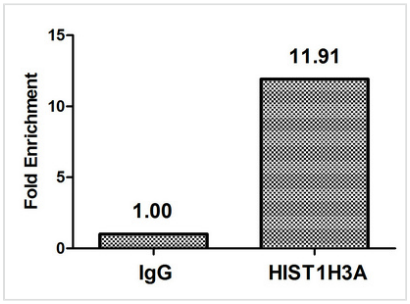
Image



Western Blot
Detected samples: 293 whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate; Untreated (-) or treated (+) with 50mM sodium 3-hydroxybutyrate for 72h
All lanes: HIST1H3A antibody at 1:100
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 16 kDa
Observed band size: 16 kDa



Immunocytochemistry analysis of CSB-PA010418OA27bhbHU diluted at 1:50 and staining in Hela cells (treated with 50mM sodium 3-hydroxybutyrate 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.



Chromatin Immunoprecipitation Hela ($4*10^6$, treated with 30mM sodium 3-hydroxybutyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5µg anti-HIST1H3A (CSB-PA010418OA27bhbHU) 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.