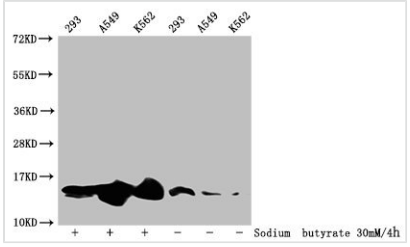
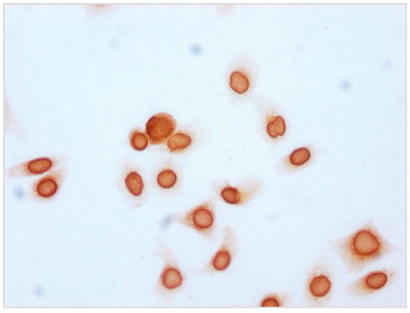
# Acetyl-HIST1H2BC (K20) Antibody

| | |
|---|---|
| **Product Code** | CSB-PA010403OA20acHU |
| **Storage** | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| **Uniprot No.** | P62807 |
| **Immunogen** | Peptide sequence around site of Acetyl-Lys (20) derived from Human Histone H2B type 1-C/E/F/G/I |
| **Raised In** | Rabbit |
| **Species Reactivity** | Human |
| **Tested Applications** | ELISA, WB, ICC, IF, IP, ChIP; Recommended dilution: WB:1:100-1:1000, ICC:1:10-1:100, IF:1:1-1:10, IP:1:200-1:2000 |
| **Form** | Liquid |
| **Conjugate** | Non-conjugated |
| **Storage Buffer** | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| **Purification Method** | Antigen Affinity Purified |
| **Isotype** | IgG |
| **Clonality** | Polyclonal |
| **Alias** | Histone H2B type 1-C/E/F/G/I (Histone H2B.1 A) (Histone H2B.a) (H2B/a) (Histone H2B.g) (H2B/g) (Histone H2B.h) (H2B/h) (Histone H2B.k) (H2B/k) (Histone H2B.l) (H2B/l), HIST1H2BC; HIST1H2BE; HIST1H2BF; HIST1H2BG; HIST1H2BI, H2BFL; H2BFH; H2BFG; H2BFA; H2BFK |
| **Immunogen Species** | Homo sapiens (Human) |
| **Research Area** | Epigenetics and Nuclear Signaling |
| **Target Names** | HIST1H2BC |

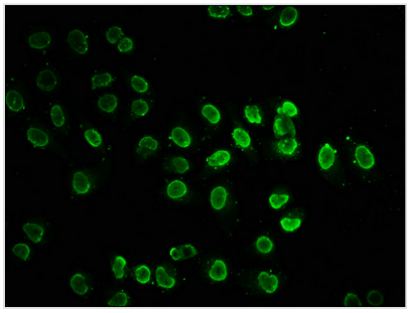
**Image**



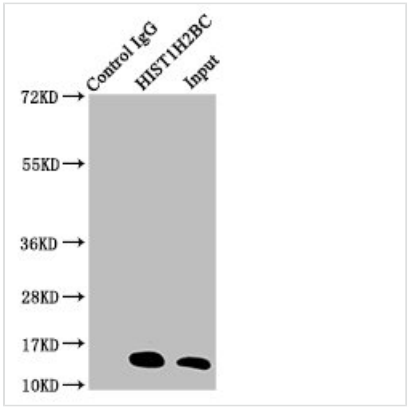

Western Blot
Detected samples: 293 whole cell lysate, A549 whole cell lysate, K562 whole cell lysate;
Untreated (-) or treated (+) with 30mM sodium butyrate for 4h
All lanes: HIST1H2BC antibody at 1:100
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 14 kDa
Observed band size: 14 kDa



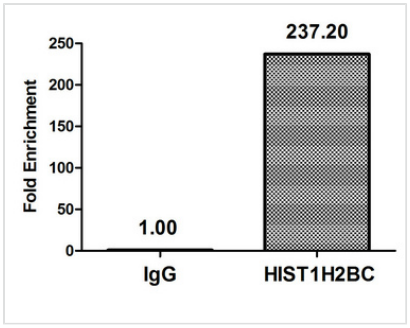
Immunocytochemistry analysis of CSB-PA010403OA20acHU diluted at 1:15 and staining in Hela cells (treated with 30mM sodium butyrate for 4h) performed on a Leica BondTM system. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked with 10% normal goat serum 30min at 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-PA010403OA20acHU at 1:7.5, 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).




Immunoprecipitating HIST1H2BC in A549 whole cell lysate (treated with 30mM sodium butyrate for 4h)
Lane 1: Rabbit control IgG instead of CSB-PA010403OA20acHU in A549 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-PA010403OA20acHU (5μg) + A549 whole cell lysate (treated with 30mM sodium butyrate for 4h) (500μg)
Lane 3: A549 whole cell lysate (treated with 30mM sodium butyrate for 4h) (20μg)




Chromatin Immunoprecipitation Hela ($10^6$, treated with 30mM sodium butyrate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5μg anti-HIST1H2BC (CSB-PA010403OA20acHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β-Globin promoter.