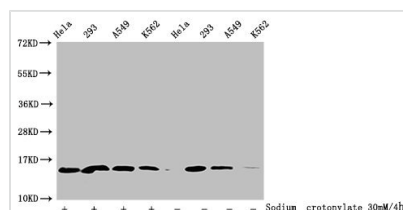




# Crotonyl-HIST1H2BC (K16) Antibody

|                            |                                                                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-PA010403OA16crHU                                                                                                                                                                                                                                             |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                                                                                                                                                                    |
| <b>Uniprot No.</b>         | P62807                                                                                                                                                                                                                                                           |
| <b>Immunogen</b>           | Peptide sequence around site of Crotonyl-Lys (16) derived from Human Histone H2B type 1-C/E/F/G/I                                                                                                                                                                |
| <b>Raised In</b>           | Rabbit                                                                                                                                                                                                                                                           |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                                                                            |
| <b>Tested Applications</b> | ELISA, WB, ICC, IF, ChIP; Recommended dilution: WB:1:100-1:1000, ICC:1:20-1:200, IF:1:10-1:100                                                                                                                                                                   |
| <b>Form</b>                | Liquid                                                                                                                                                                                                                                                           |
| <b>Conjugate</b>           | Non-conjugated                                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>      | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4                                                                                                                                                                                 |
| <b>Purification Method</b> | Antigen Affinity Purified                                                                                                                                                                                                                                        |
| <b>Isotype</b>             | IgG                                                                                                                                                                                                                                                              |
| <b>Clonality</b>           | Polyclonal                                                                                                                                                                                                                                                       |
| <b>Alias</b>               | 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 |
| <b>Immunogen Species</b>   | Homo sapiens (Human)                                                                                                                                                                                                                                             |
| <b>Research Area</b>       | Epigenetics and Nuclear Signaling                                                                                                                                                                                                                                |
| <b>Target Names</b>        | HIST1H2BC                                                                                                                                                                                                                                                        |

## 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 crotonylate for 4h

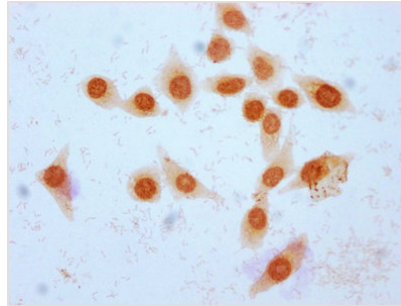
All lanes: HIST1H2BC antibody at 1:100

### Secondary

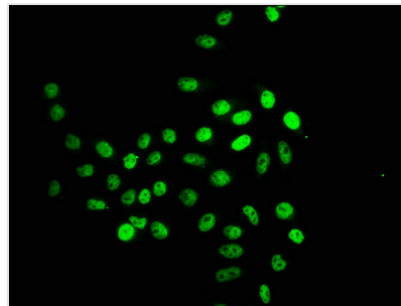
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 14 kDa

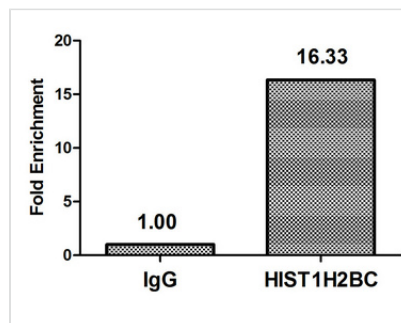
Observed band size: 14 kDa



Immunocytochemistry analysis of CSB-PA010403OA16crHU diluted at 1:25 and staining in HeLa cells (treated with 30mM sodium crotonylate 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.



Immunofluorescence staining of HeLa cells (treated with 30mM sodium crotonylate for 4h) with CSB-PA010403OA16crHU at 1:12.5, 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-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Chromatin Immunoprecipitation HeLa ( $10^6$ , treated with 30mM sodium crotonylate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5μg anti-HIST1H2BC (CSB-PA010403OA16crHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β-Globin promoter.