# 2-hydroxyisobutyryl-HIST1H3A (K27) Antibody

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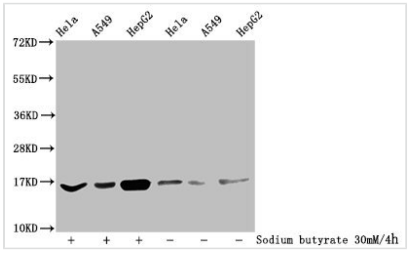
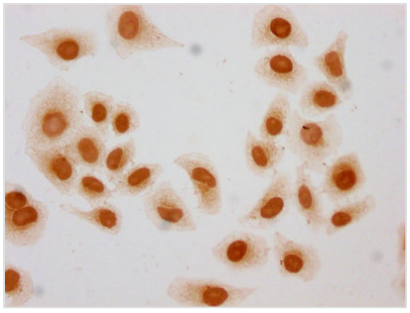
| **Product Code** | CSB-PA010418OA27hibHU |
| **Storage** | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| **Uniprot No.** | P68431 |
| **Immunogen** | Peptide sequence around site of 2-hydroxyisobutyryl-Lys (27) derived from Human Histone H3.1 |
| **Raised In** | Rabbit |
| **Species Reactivity** | Human |
| **Tested Applications** | ELISA, WB, ICC, IF; Recommended dilution: WB:1:100-1:1000, ICC:1:10-1:100, IF:1:1-1:10 |
| **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 H3.1 (Histone H3/a) (Histone H3/b) (Histone H3/c) (Histone H3/d) (Histone H3/f) (Histone H3/h) (Histone H3/i) (Histone H3/j) (Histone H3/k) (Histone H3/l), HIST1H3A; HIST1H3B; HIST1H3C; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J, H3FA; H3FL; H3FC; H3FB; H3FD; H3FI; H3FH; H3FK; H3FF; H3FJ |
| **Immunogen Species** | Homo sapiens (Human) |
| **Research Area** | Epigenetics and Nuclear Signaling |
| **Target Names** | HIST1H3A |

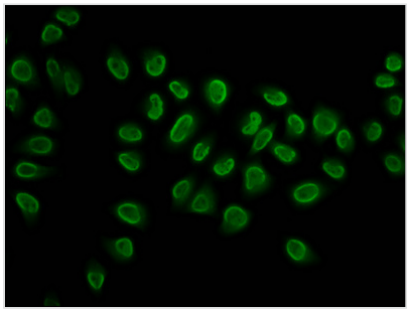
**Image**




Western Blot
Detected samples: Hela whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate; Untreated (-) or treated (+) with 30mM sodium butyrate for 4h
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-PA010418OA27hibHU diluted at 1:10 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-PA010418OA27hibHU at 1:5, 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).