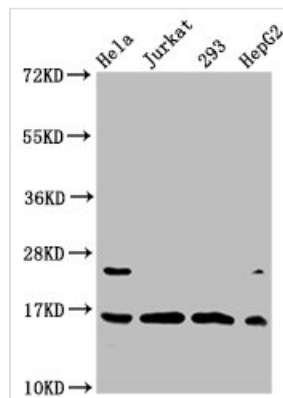




Crotonyl-HIST1H3A (K4) Antibody

| | |
|----------------------------|--|
| Product Code | CSB-PA010418OA04crHU |
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | P68431 |
| Immunogen | Peptide sequence around site of Crotonyl-Lys (4) derived from Human Histone H3.1 |
| Raised In | Rabbit |
| Species Reactivity | Human |
| Tested Applications | ELISA, WB, IP, ChIP; Recommended dilution: WB:1:200-1:2000, IP:1:200-1:2000 |
| 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 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

Positive WB detected in: HeLa whole cell lysate, Jurkat whole cell lysate, 293 whole cell lysate, HepG2 whole cell lysate (treated by 30mM sodium crotonylate for 4h)

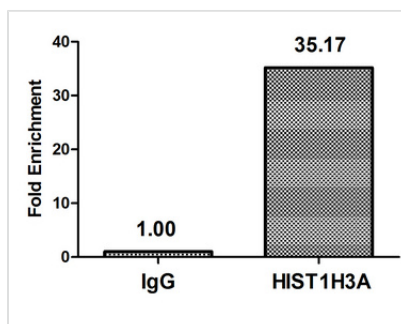
All lanes: HIST1H3A antibody at 1.2µg/ml

Secondary

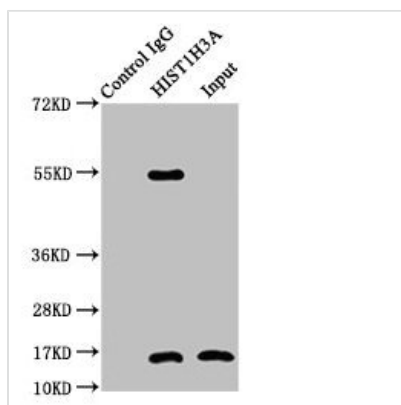
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 16 kDa

Observed band size: 16 kDa



Chromatin Immunoprecipitation Hela (4×10^6 , treated with 30mM sodium crotonylate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5 μ g anti-HIST1H3A (CSB-PA010418OA04crHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β -Globin promoter.



Immunoprecipitating HIST1H3A in 293 whole cell lysate (treated with 30mM sodium crotonylate for 4h)

Lane 1: Rabbit control IgG instead of CSB-PA010418OA04crHU in 293 whole cell lysate (treated with 30mM sodium crotonylate for 4h). For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

Lane 2: CSB-PA010418OA04crHU (5 μ g) + 293 whole cell lysate (treated with 30mM sodium crotonylate for 4h) (500 μ g)

Lane 3: 293 whole cell lysate (treated with 30mM sodium crotonylate for 4h) (20 μ g)