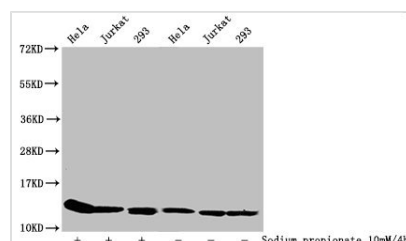




Propionyl-HIST1H4A (K31) Antibody

| | |
|----------------------------|--|
| Product Code | CSB-PA010429OA31propHU |
| Abbreviation | Histone H4 |
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | P62805 |
| Immunogen | Peptide sequence around site of Propionyl-Lys (31) derived from Human Histone H4 |
| Raised In | Rabbit |
| Species Reactivity | Human |
| Tested Applications | ELISA, WB, ChIP; Recommended dilution: WB:1:500-1:2000 |
| Relevance | Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. |
| 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 H4, HIST1H4A; HIST1H4B; HIST1H4C; HIST1H4D; HIST1H4E; HIST1H4F; HIST1H4H; HIST1H4I; HIST1H4J; HIST1H4K; HIST1H4L; HIST2H4A; HIST2H4B; HIST4H4, H4/A H4FA; H4/I H4FI; H4/G H4FG; H4/B H4FB; H4/J H4FJ; H4/C H4FC; H4/H H4FH; H4/M H4FM; H4/E H4FE; H4/D H4FD; H4/K H4FK; H4/N H4F2 H4FN HIST2H4; H4/O H4FO; |
| Species | Homo sapiens (Human) |
| Research Area | Epigenetics and Nuclear Signaling |
| Target Names | HIST1H4A |

Image

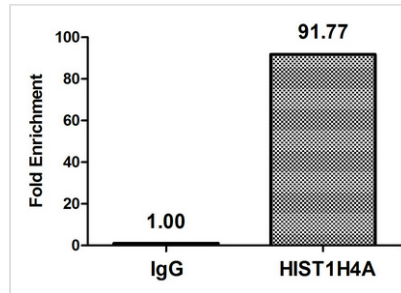


Western Blot

Detected samples: HeLa whole cell lysate, Jurkat whole cell lysate, 293 whole cell lysate;
 Untreated (-) or treated (+) with 10mM Sodium propionate for 4h
 All lanes: HIST1H4A antibody at 1:1000
 Secondary
 Goat polyclonal to rabbit IgG at 1/40000 dilution



Predicted band size: 12 kDa
Observed band size: 12 kDa



Chromatin Immunoprecipitation HeLa (4×10^6 , treated with 10mM sodium propionate for 4h) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5 μ g anti-HIST1H4A (CSB-PA010429OA31propHU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β -Globin promoter.