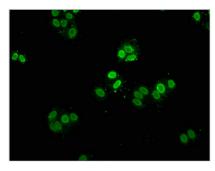




Mono-methyl-HIST1H2AG (K9) Antibody

| Product Code | CSB-PA010389OA09me1HU |
|----------------------------|--|
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | P0C0S8 |
| Immunogen | Peptide sequence around site of Mono-methyl-Lys (9) derived from Human Histone H2A type 1 |
| Raised In | Rabbit |
| Species Reactivity | Human |
| Tested Applications | ELISA, ICC, IF, ChIP; Recommended dilution: ICC:1:10-1:100, IF:1:1-1:10 |
| 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 H2A type 1 (H2A.1) (Histone H2A/ptl), HIST1H2AG; HIST1H2AI; HIST1H2AK; HIST1H2AL; HIST1H2AM, H2AFP; H2AFC; H2AFD; H2AFI; H2AFN |
| Immunogen Species | Homo sapiens (Human) |
| Research Area | Epigenetics and Nuclear Signaling |
| Target Names | HIST1H2AG |
| Image | Immunofluorescence staining of Hela cells with |

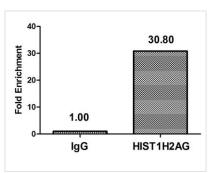


Immunofluorescence staining of Hela cells with CSB-PA010389OA09me1HU at 1:5, counterstained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).









Chromatin Immunoprecipitation Hela (4*10⁶) were treated with Micrococcal Nuclease, sonicated, and immunoprecipitated with 5µg anti-HIST1H2AG (CSB-PA010389OA09me1HU) or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers against the β -Globin promoter.



Immunocytochemistry analysis of CSB-PA010389OA09me1HU diluted at 1:10 and staining in Hela cells 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.